

Data File : VU026765.D
Acq On : 14 Sep 2018 14:50
Operator : MD/SY
Sample : J4893-07DL 400X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08L5DL

Quant Time: Sep 15 07:02:39 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	161353	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	150861	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65439	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52057	43.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.58%
7) Chloroethane-d5	1.68	69	44212	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.26%
11) 1,1-Dichloroethene-d2	2.27	63	74787	34.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.50%
21) 2-Butanone-d5	4.18	46	76952	102.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.84%
24) Chloroform-d	4.65	84	88633	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.66%
26) 1,2-Dichloroethane-d4	5.31	65	61907	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.62%
32) Benzene-d6	5.34	84	184995	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
36) 1,2-Dichloropropane-d6	6.33	67	63364	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.72%
41) Toluene-d8	7.57	98	160430	43.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.58%
43) trans-1,3-Dichloropropene-	7.85	79	26114	42.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.74%
47) 2-Hexanone-d5	8.31	63	53027	99.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84133	46.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	62434	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	605	0.611	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	548	0.576	ug/L #	1
13) Acetone	2.32	43	515	0.604	ug/L	58
25) Chloroform	4.68	83	3911	1.990	ug/L	91
27) 1,2-Dichloroethane	5.40	62	1010	0.647	ug/L #	75
33) Benzene	5.39	78	102535	24.271	ug/L	100
35) Methylcyclohexane	6.33	83	13813	8.218	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6545	5.546	ug/L #	89
40) 4-Methyl-2-pentanone	7.57	43	748	0.497	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1081	0.665	ug/L	95
51) Chlorobenzene	9.12	112	152733	53.123	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	1138	0.815	ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	3839	2.043	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	57093	28.683	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	46428	23.380	ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	4406	2.956	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	4406	3.401	ug/L	97

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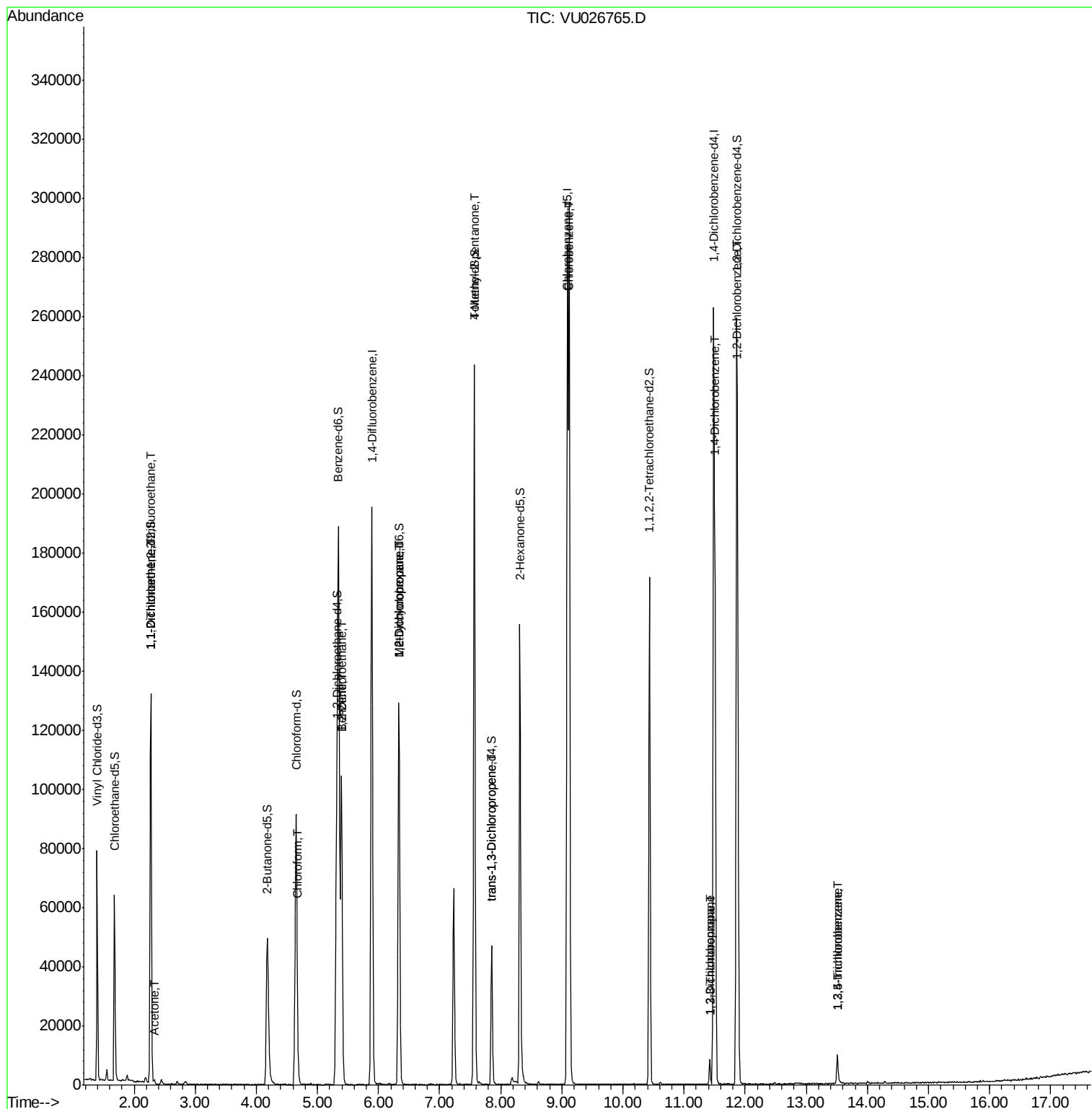
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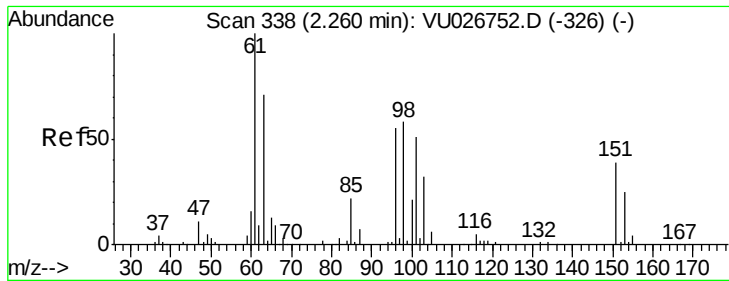
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.611 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

C08L5DL

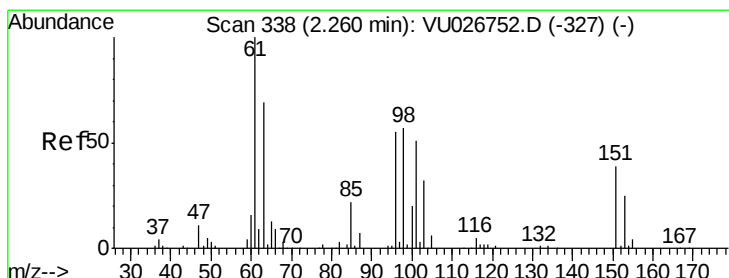
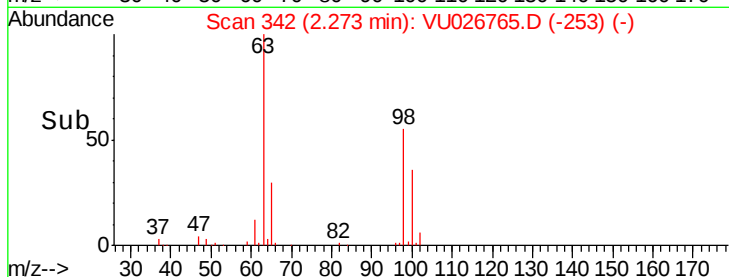
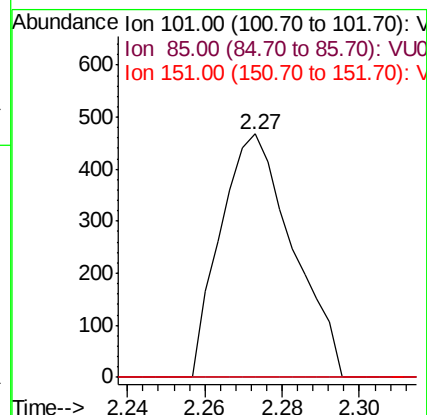
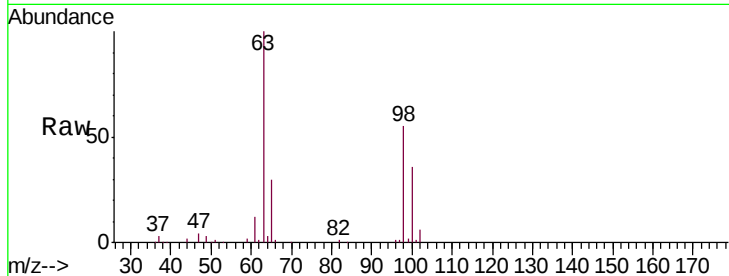
Tgt Ion:101 Resp: 605

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

151 0.0 62.6 94.0#



#12

1,1-Dichloroethene

Concen: 0.576 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

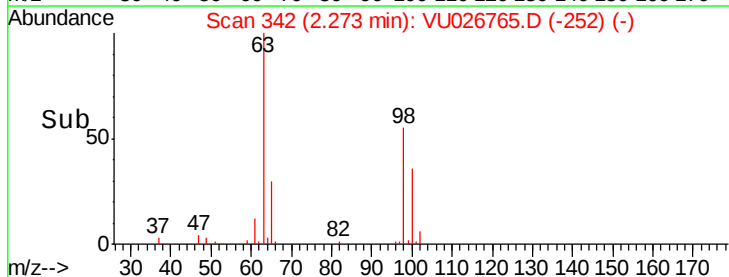
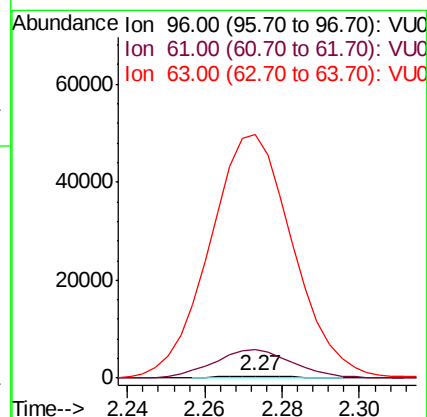
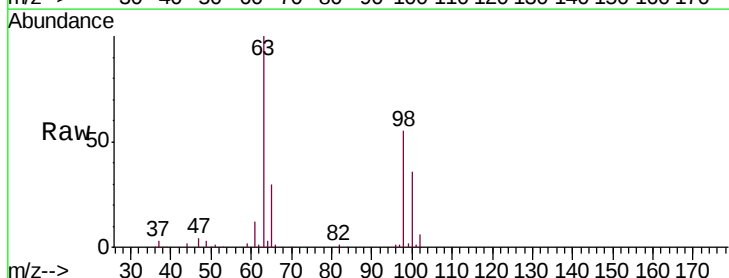
Tgt Ion: 96 Resp: 548

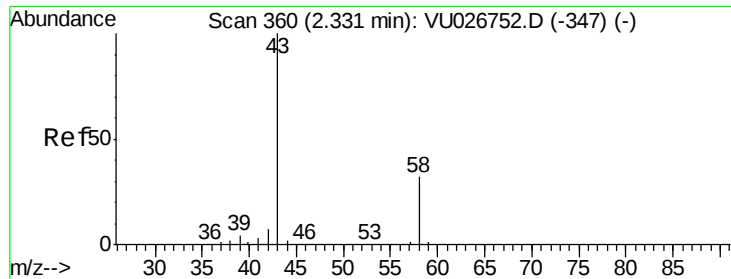
Ion Ratio Lower Upper

96 100

61 1454.6 121.0 224.8#

63 12619.3 89.9 166.9#





#13

Acetone

Concen: 0.604 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

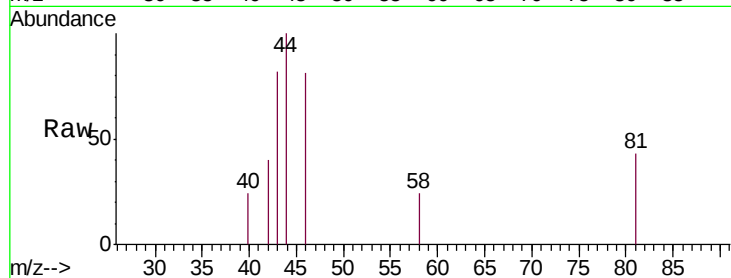
C08L5DL

Tgt Ion: 43 Resp: 515

Ion Ratio Lower Upper

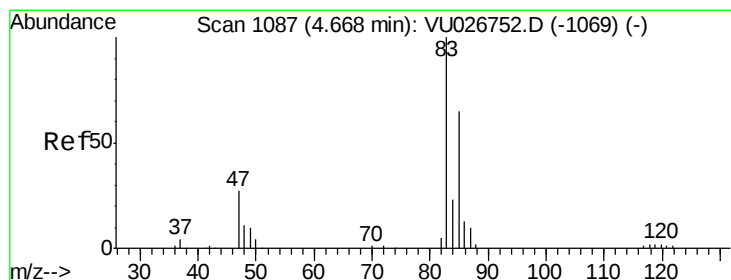
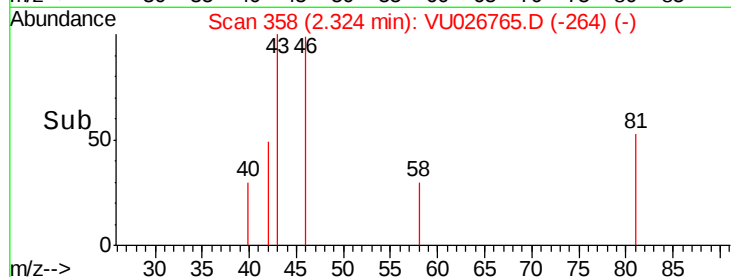
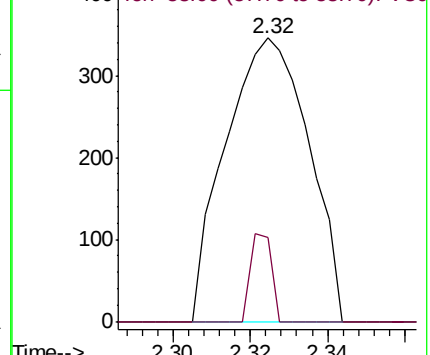
43 100

58 8.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 1.990 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026765.D

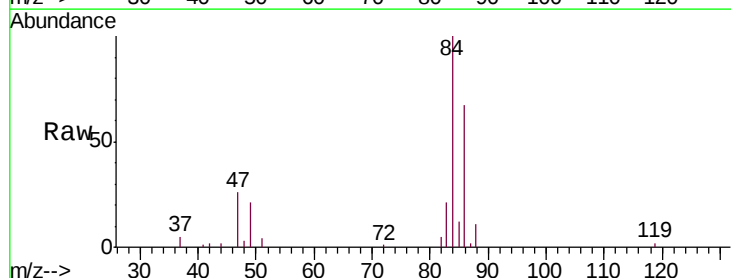
Acq: 14 Sep 2018 14:50

Tgt Ion: 83 Resp: 3911

Ion Ratio Lower Upper

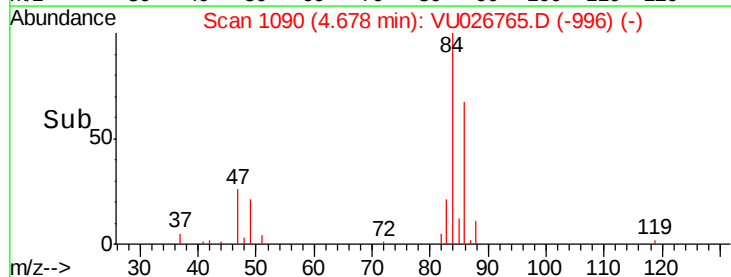
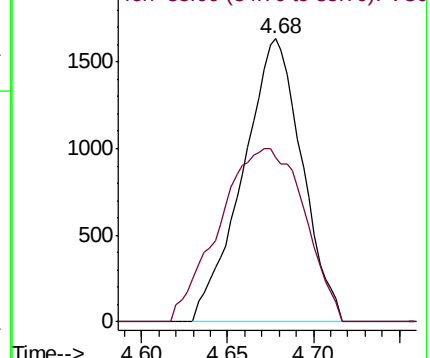
83 100

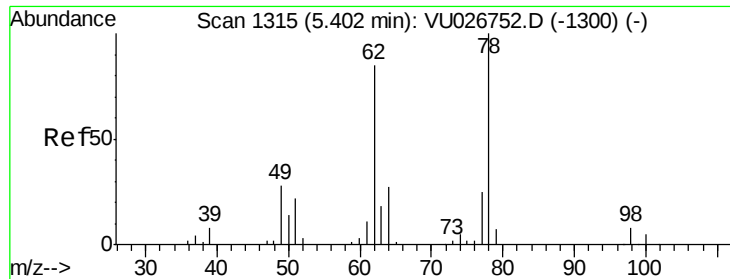
85 57.9 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.647 ug/L

RT: 5.40 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

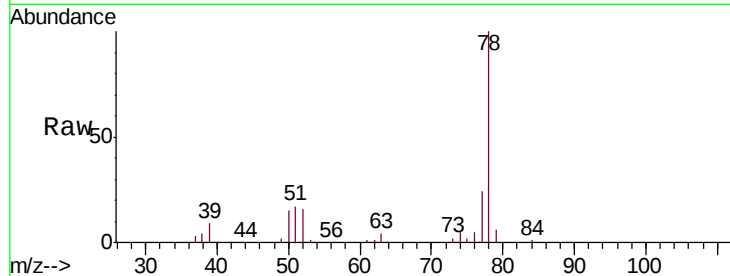
C08L5DL

Tgt Ion: 62 Resp: 1010

Ion Ratio Lower Upper

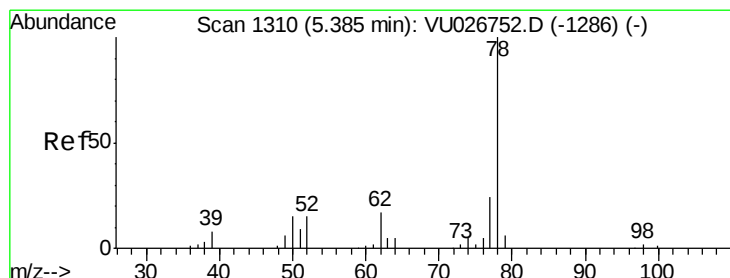
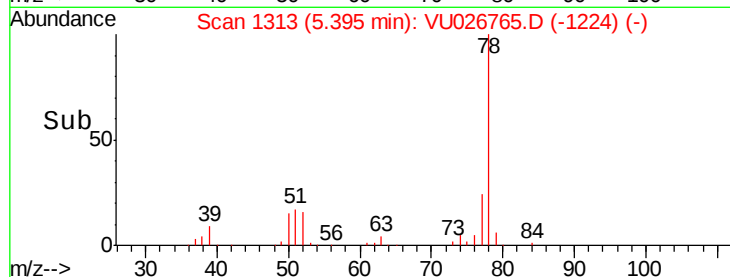
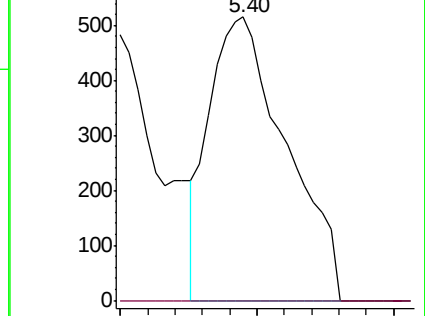
62 100

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: 24.271 ug/L

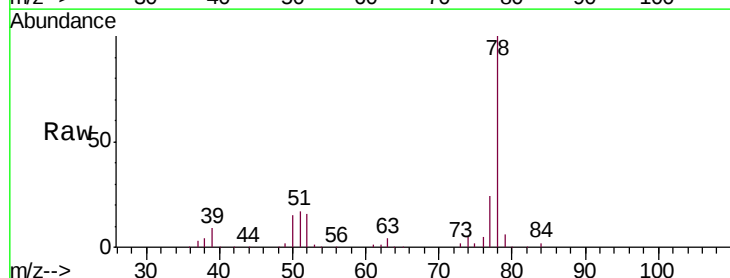
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026765.D

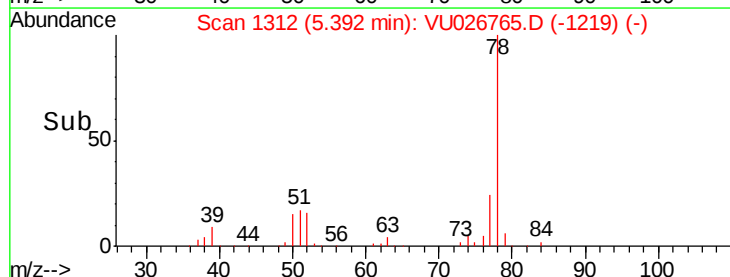
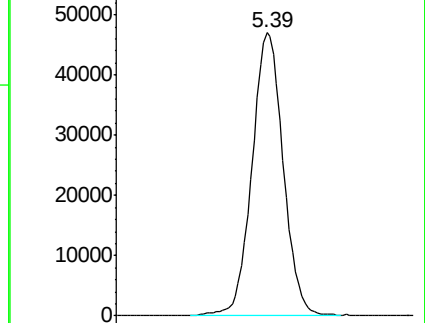
Acq: 14 Sep 2018 14:50

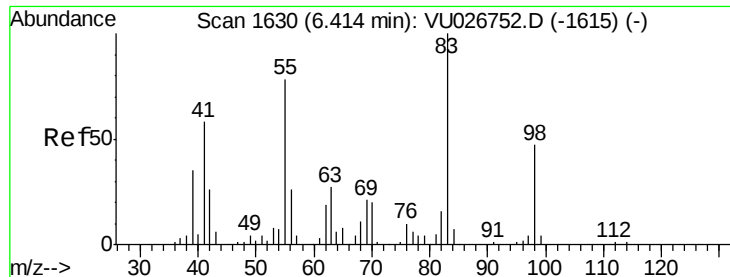
Tgt Ion: 78 Resp: 102535



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

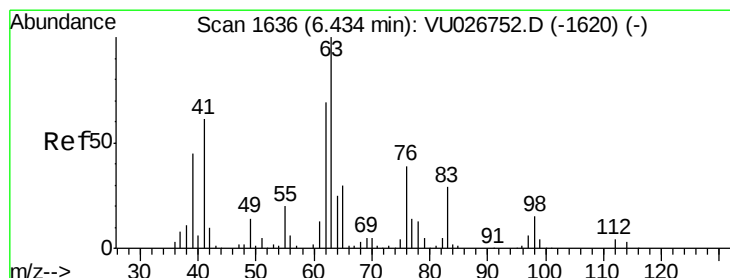
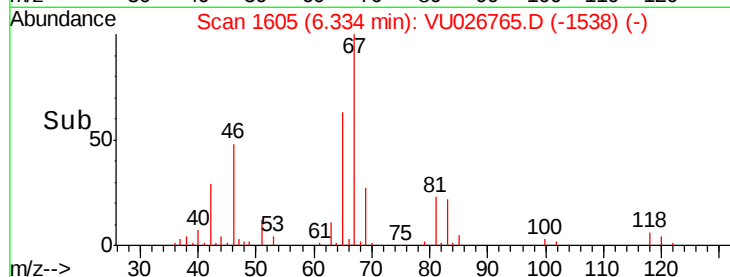
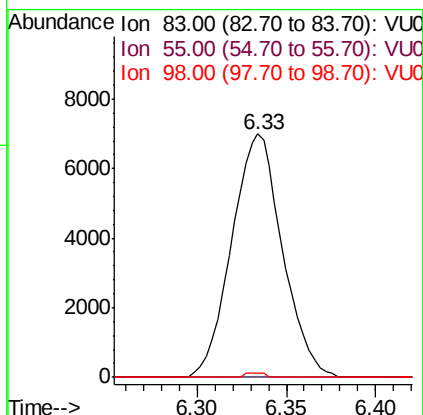
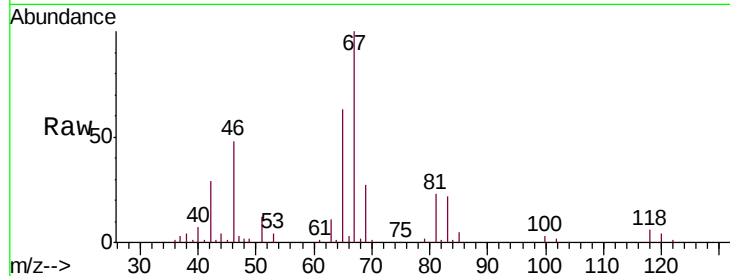




#35
Methylcyclohexane
Concen: 8.218 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU026765.D
Acq: 14 Sep 2018 14:50

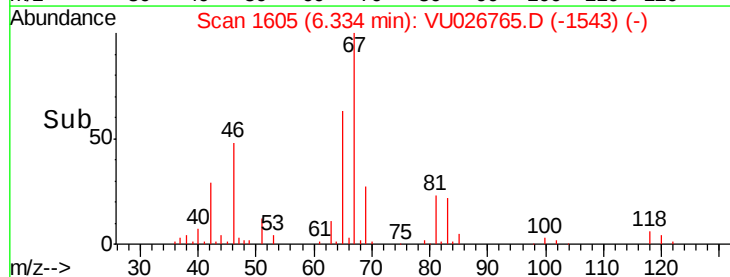
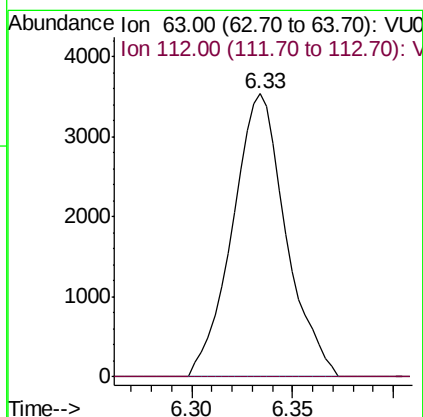
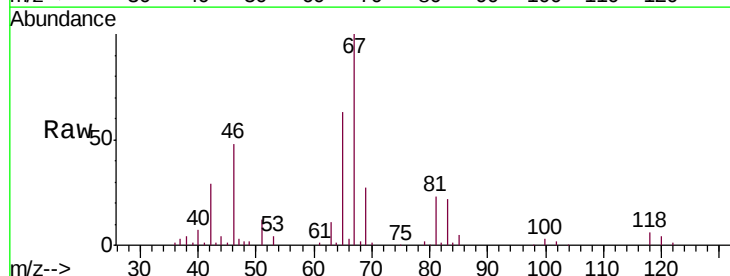
Instrument :
MSVOA_U
ClientSampleId :
C08L5DL

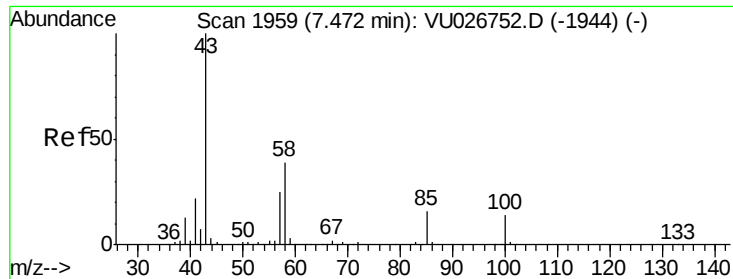
Tgt Ion: 83 Resp: 13813
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 0.7 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 5.546 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026765.D
Acq: 14 Sep 2018 14:50

Tgt Ion: 63 Resp: 6545
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#

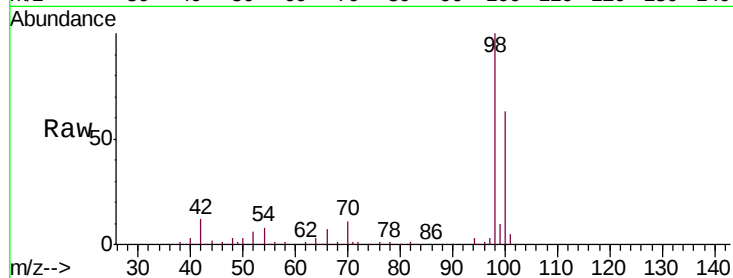




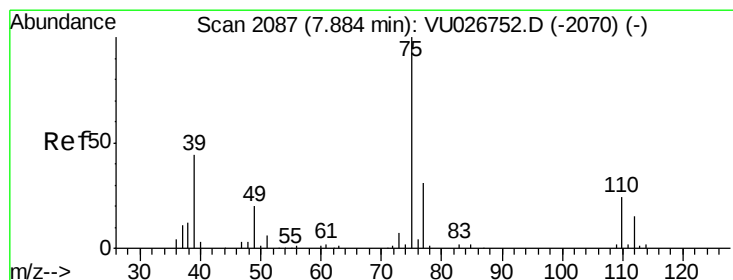
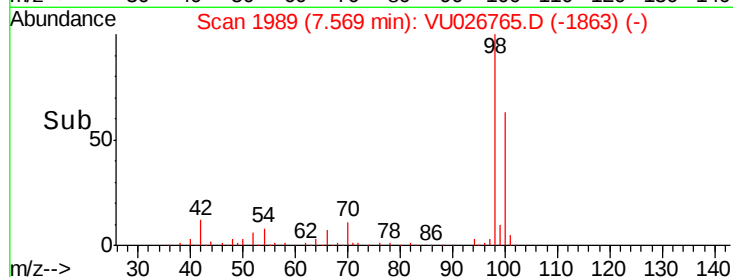
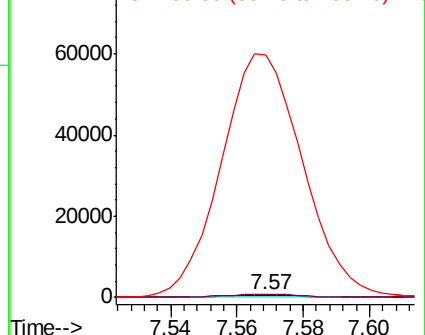
#40
 4-Methyl-2-pentanone
 Concen: 0.497 ug/L
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU026765.D
 Acq: 14 Sep 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L5DL

Tgt Ion: 43 Resp: 748
 Ion Ratio Lower Upper
 43 100
 58 162.4 31.1 46.7#
 100 13812.4 11.3 16.9#

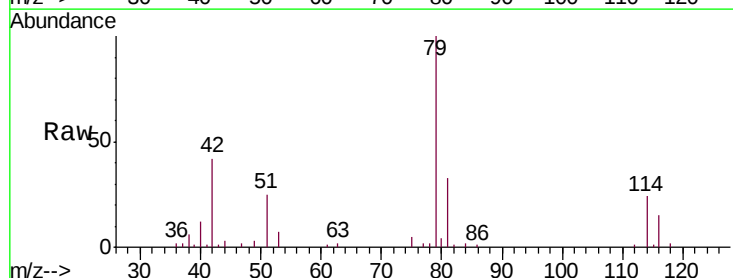


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

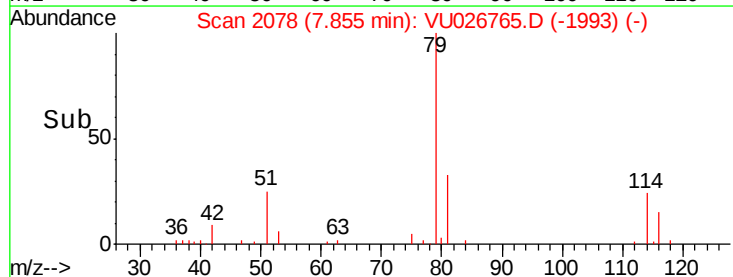
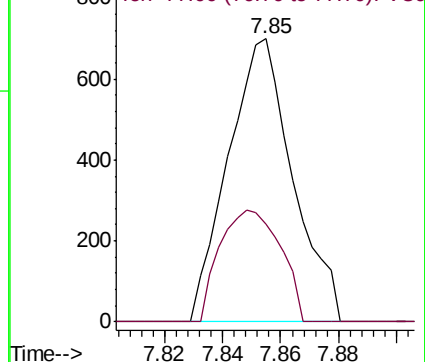


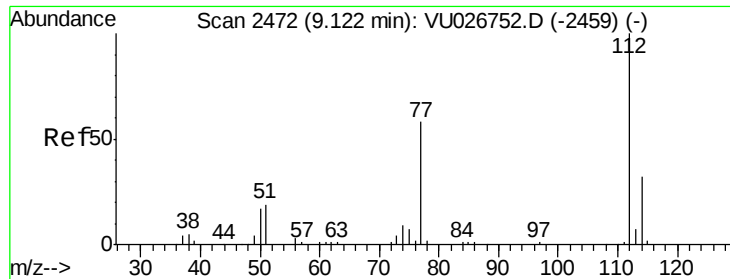
#44
 trans-1,3-Dichloropropene
 Concen: 0.665 ug/L
 RT: 7.85 min Scan# 2078
 Delta R.T. -0.03 min
 Lab File: VU026765.D
 Acq: 14 Sep 2018 14:50

Tgt Ion: 75 Resp: 1081
 Ion Ratio Lower Upper
 75 100
 77 34.8 22.4 41.6



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

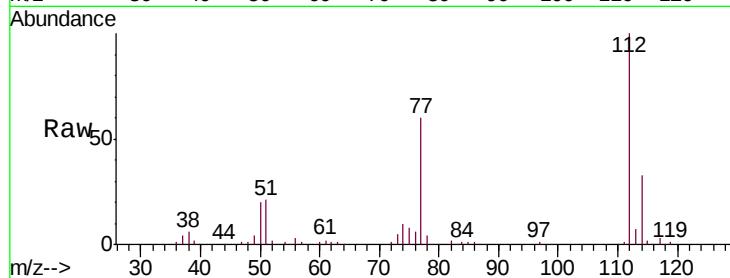




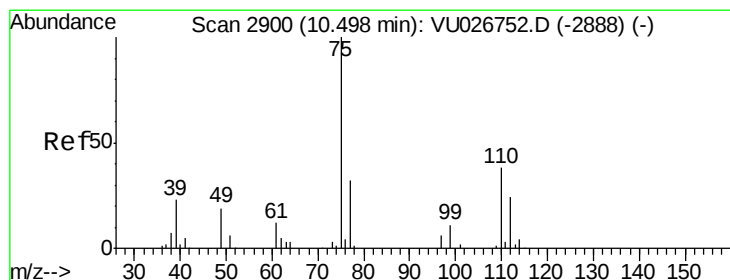
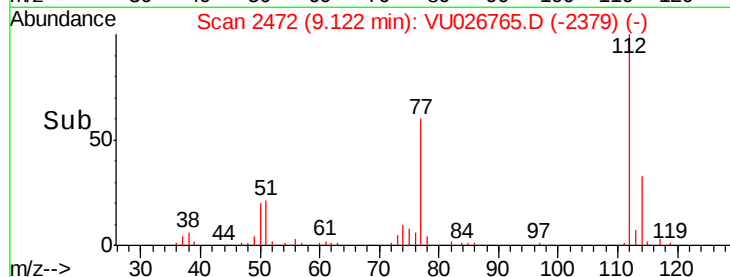
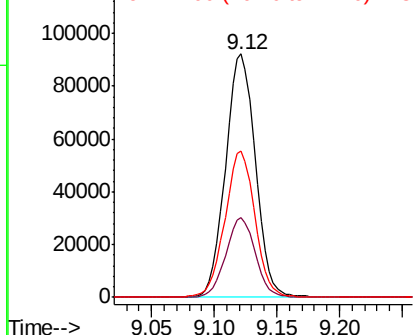
#51
Chlorobenzene
Concen: 53.123 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026765.D
Acq: 14 Sep 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
C08L5DL

Tgt Ion: 112 Resp: 152733
Ion Ratio Lower Upper
112 100
114 32.7 22.9 42.5
77 60.0 47.2 70.8

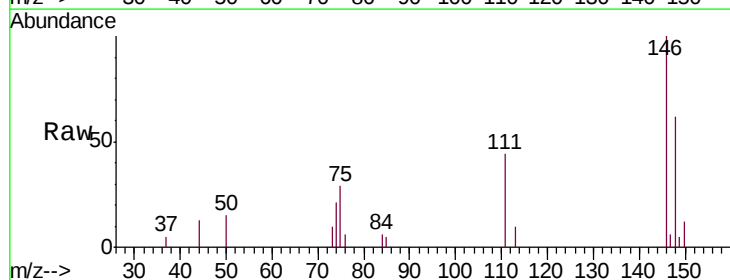


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

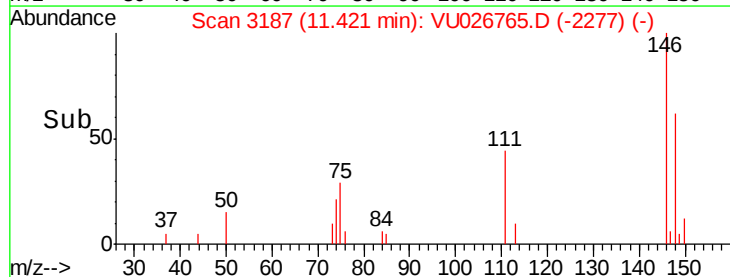
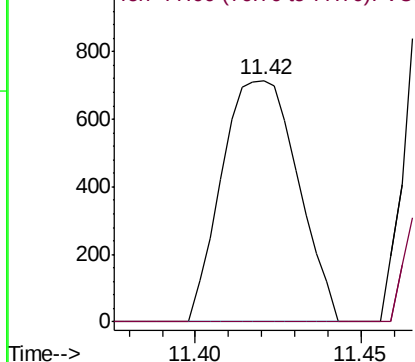


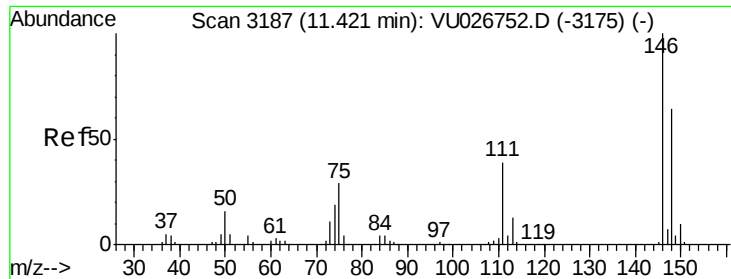
#59
1,2,3-Trichloropropane
Concen: 0.815 ug/L
RT: 11.42 min Scan# 3187
Delta R.T. 0.93 min
Lab File: VU026765.D
Acq: 14 Sep 2018 14:50

Tgt Ion: 75 Resp: 1138
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: 2.043 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

C08L5DL

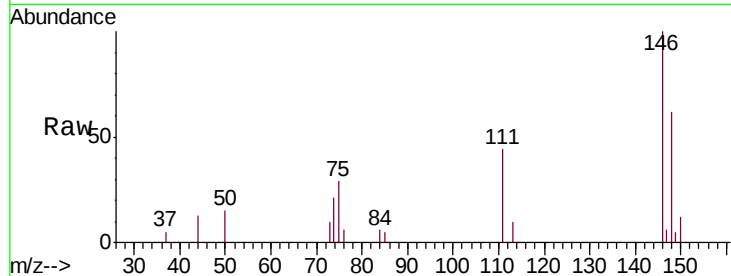
Tgt Ion:146 Resp: 3839

Ion Ratio Lower Upper

146 100

111 44.2 26.7 49.5

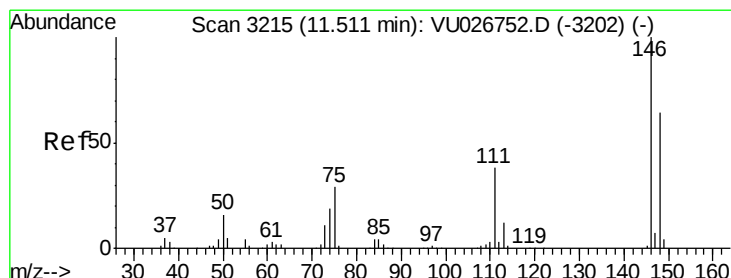
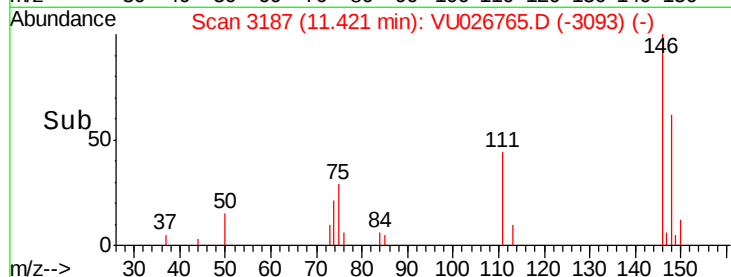
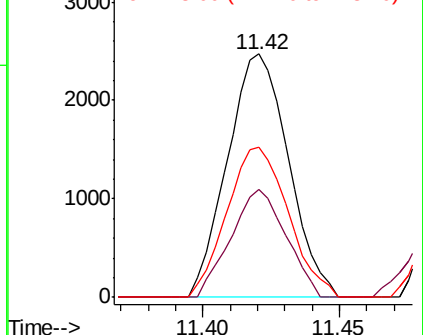
148 61.7 44.2 82.2



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: 28.683 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

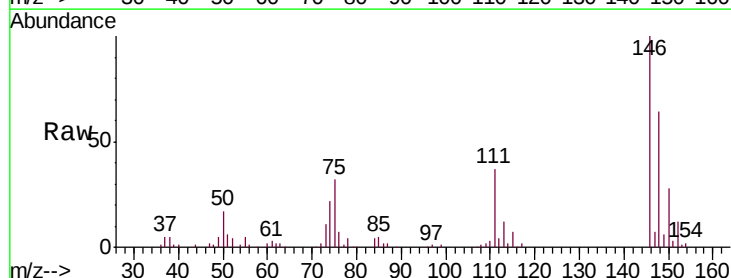
Tgt Ion:146 Resp: 57093

Ion Ratio Lower Upper

146 100

111 37.3 26.5 49.3

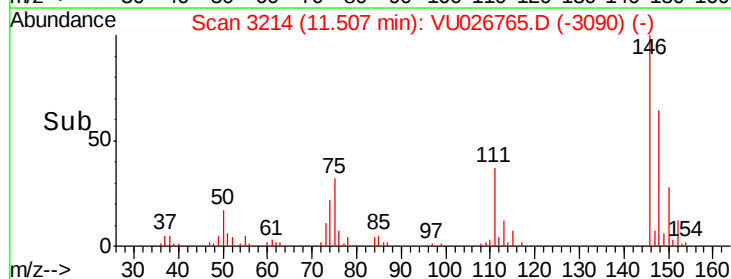
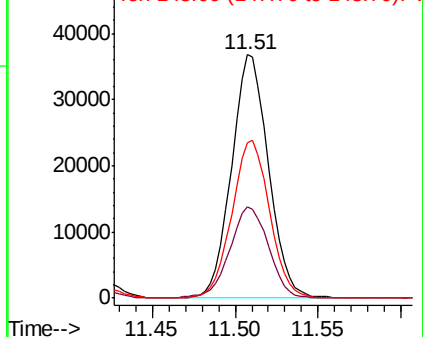
148 63.9 45.2 84.0

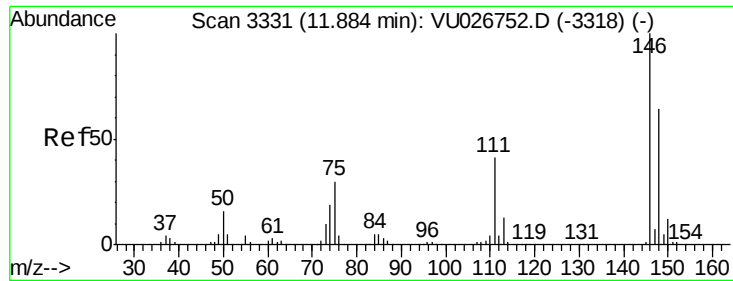


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.380 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

C08L5DL

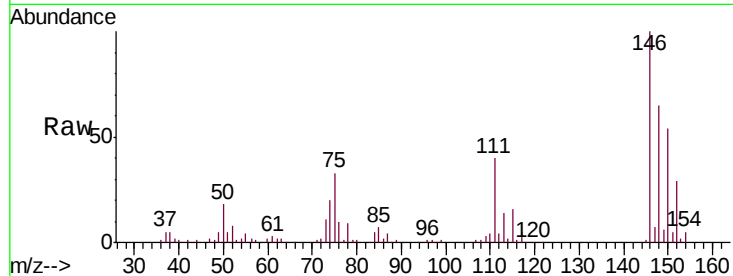
Tgt Ion:146 Resp: 46428

Ion Ratio Lower Upper

146 100

111 40.2 32.8 49.2

148 64.6 52.2 78.4

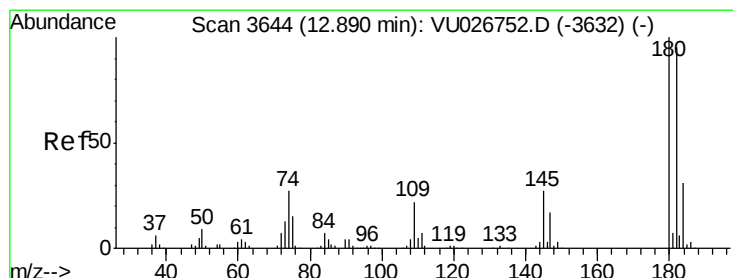
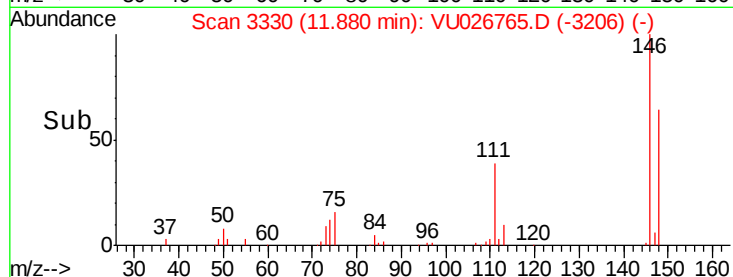
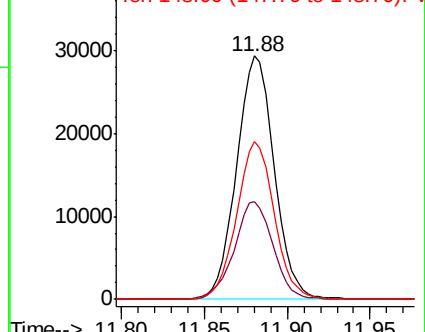


Abundance

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: 2.956 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Tgt Ion:180 Resp: 4406

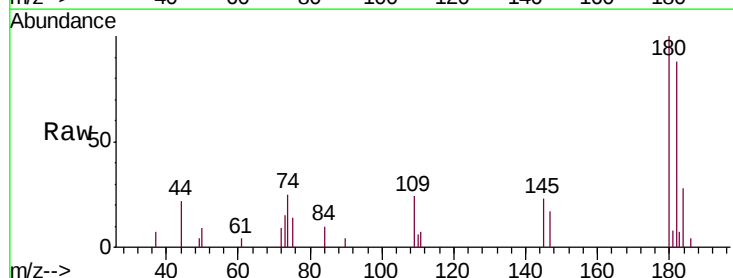
Ion Ratio Lower Upper

180 100

182 94.0 76.8 115.2

184 27.6 24.2 36.2

145 24.9 21.4 32.2



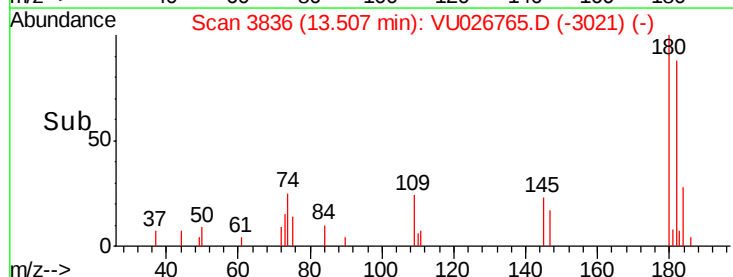
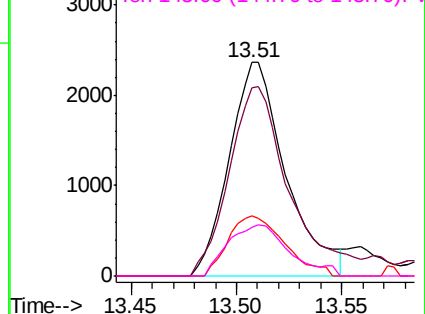
Abundance

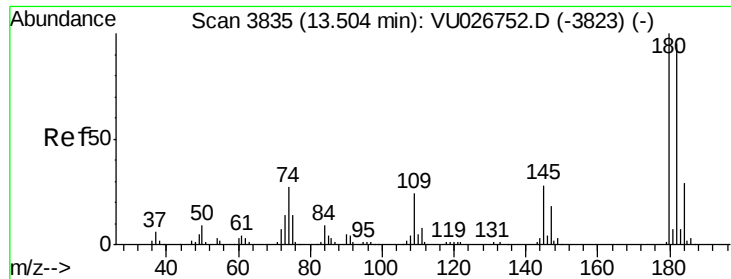
Ion 180.00 (179.70 to 180.70): V

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: 3.401 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU026765.D

Acq: 14 Sep 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

C08L5DL

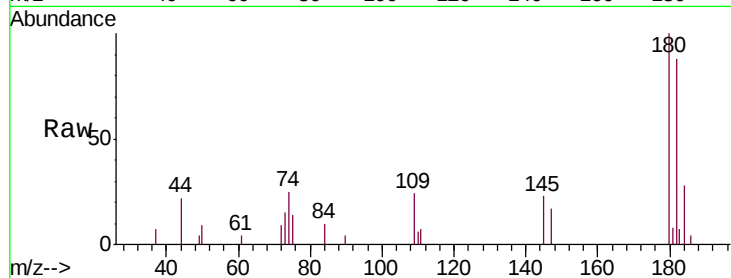
Tgt Ion:180 Resp: 4406

Ion Ratio Lower Upper

180 100

182 94.0 76.0 114.0

145 24.9 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

