

Data File : VU026953.D
Acq On : 20 Sep 2018 23:10
Operator : MD/SY
Sample : J5012-10 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08N2

Quant Time: Sep 21 06:04:28 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	175677	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	158760	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76233	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81986	63.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	126.18%
7) Chloroethane-d5	1.66	69	71081	63.90	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	127.80%
11) 1,1-Dichloroethene-d2	2.27	63	110274	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
21) 2-Butanone-d5	4.18	46	139873	162.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	162.19%#
24) Chloroform-d	4.65	84	150939	62.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.22%#
26) 1,2-Dichloroethane-d4	5.31	65	100452	66.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	132.36%#
32) Benzene-d6	5.34	84	301203	67.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	135.40%#
36) 1,2-Dichloropropane-d6	6.33	67	100911	70.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	140.78%#
41) Toluene-d8	7.57	98	248214	61.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.50%#
43) trans-1,3-Dichloropropene-	7.85	79	41316	64.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	129.10%#
47) 2-Hexanone-d5	8.31	63	100765	178.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	178.84%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	146526	73.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	146.60%#
64) 1,2-Dichlorobenzene-d4	11.86	152	117278	73.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	147.90%#

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	917	0.756 ug/L #	18
12) 1,1-Dichloroethene	2.26	96	811	0.712 ug/L #	1
13) Acetone	2.32	43	847	0.999 ug/L	73
25) Chloroform	4.67	83	6658	2.716 ug/L	91
27) 1,2-Dichloroethane	5.39	62	3479	1.819 ug/L #	72
31) Carbon tetrachloride	5.14	117	2232	1.319 ug/L	98
33) Benzene	5.39	78	398022	80.863 ug/L	100
37) 1,2-Dichloropropane	6.33	63	10413	7.701 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2233	1.169 ug/L #	60
40) 4-Methyl-2-pentanone	7.57	43	850	0.529 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1713	0.958 ug/L	91
51) Chlorobenzene	9.12	112	1146986	339.360 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	53269	32.890 ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	205797	88.555 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	938466	366.737 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1293741	502.773 ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	165758	92.172 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\
Quantitation Report (Not Reviewed)

Data File : VU026953.D
Acq On : 20 Sep 2018 23:10
Operator : MD/SY
Sample : J5012-10 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08N2

Quant Time: Sep 21 06:04:28 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)
68) 1,2,4-trichlorobenzene	13.50	180	165758	106.961	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	77443	45.380	ug/L	99

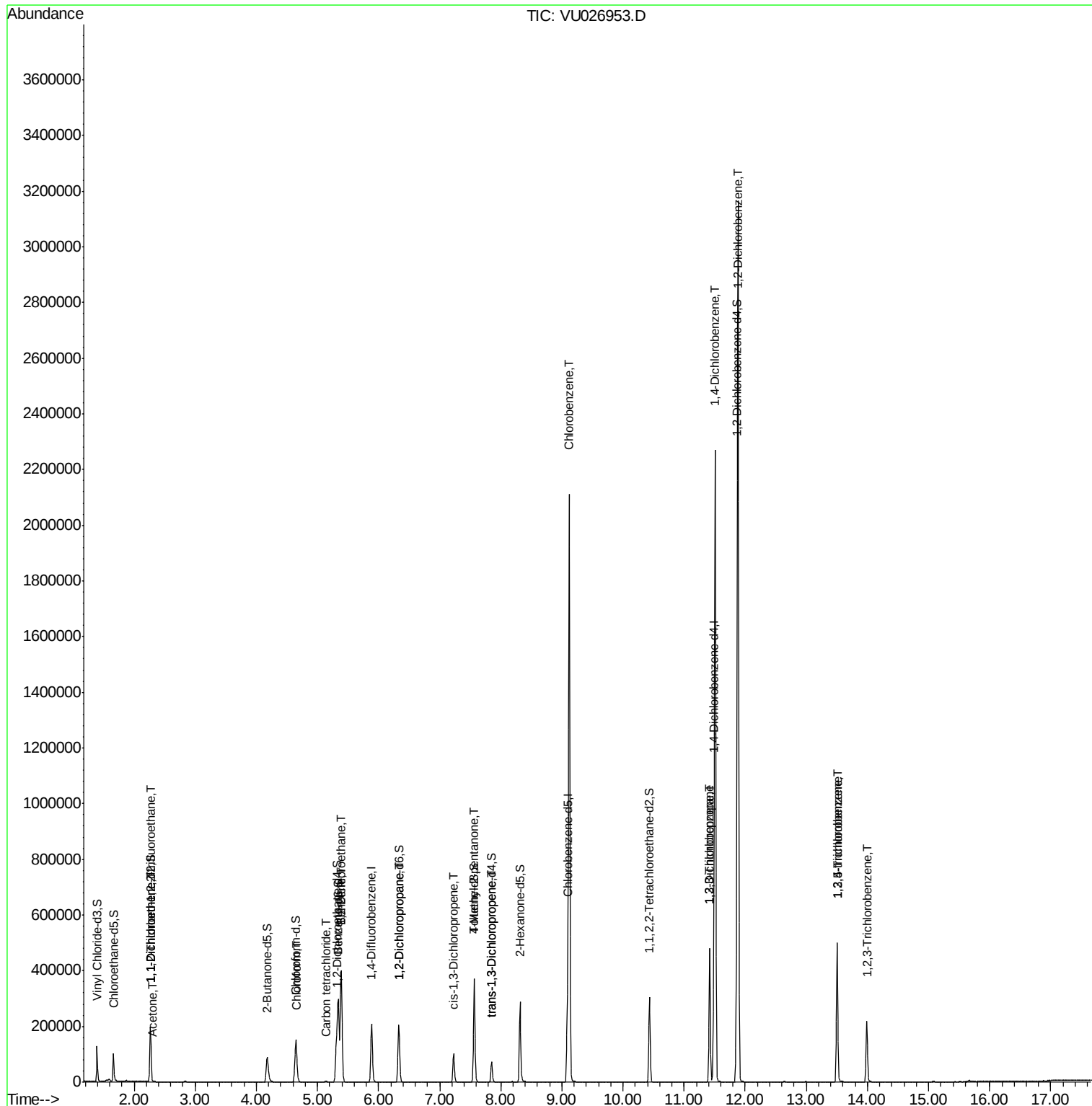
(#) = qualifier out of range (m) = manual integration (+) = signals summed

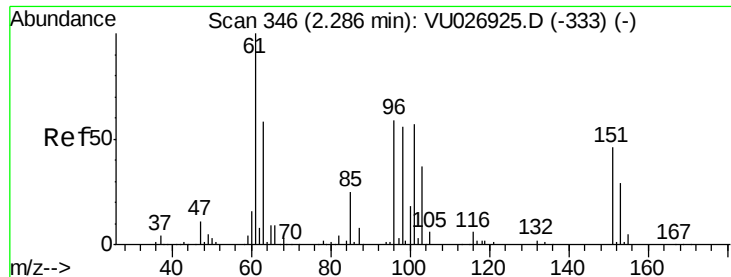
Data File : VU026953.D

Acq On : 20 Sep 2018 23:10
Operator : MD/SY
Sample : J5012-10 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08N2

Quant Time: Sep 21 06:04:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration





#10

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

Concen: 0.756 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026953.D

Acq: 20 Sep 2018 23:10

Instrument :

MSVOA_U

ClientSampleId :

C08N2

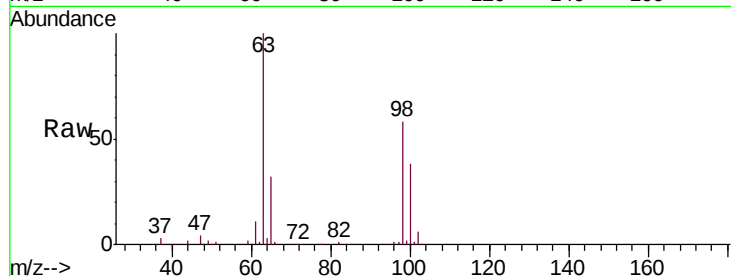
Tgt Ion: 101 Resp: 917

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

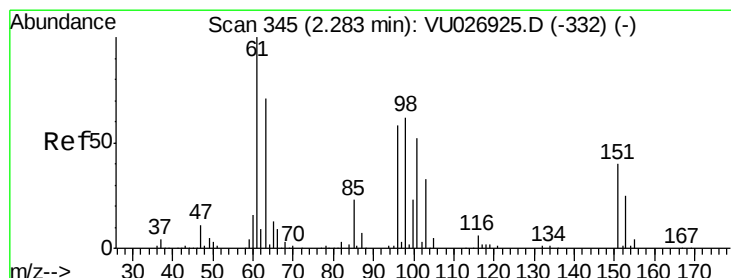
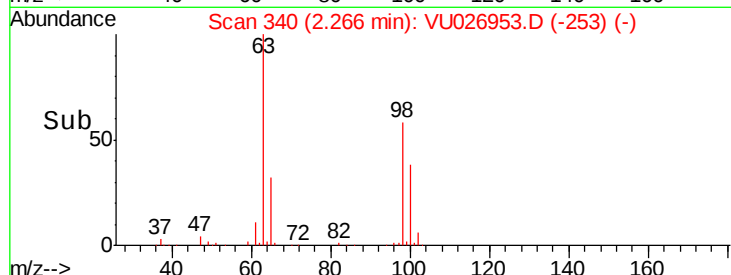
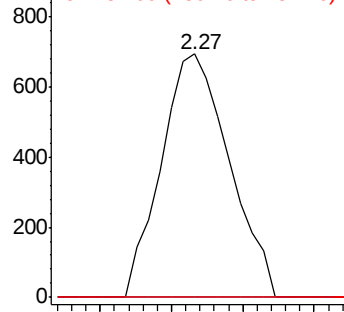
151 0.0 63.0 94.4#



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: 0.712 ug/L

RT: 2.26 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU026953.D

Acq: 20 Sep 2018 23:10

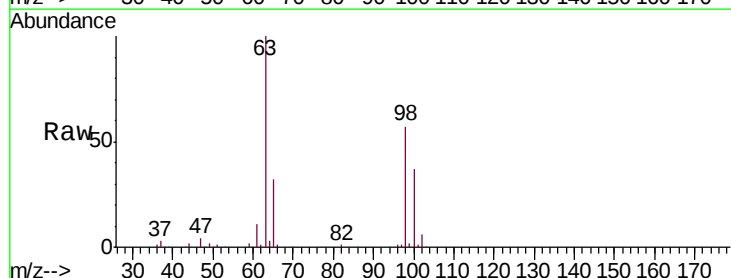
Tgt Ion: 96 Resp: 811

Ion Ratio Lower Upper

96 100

61 1405.2 124.0 230.4#

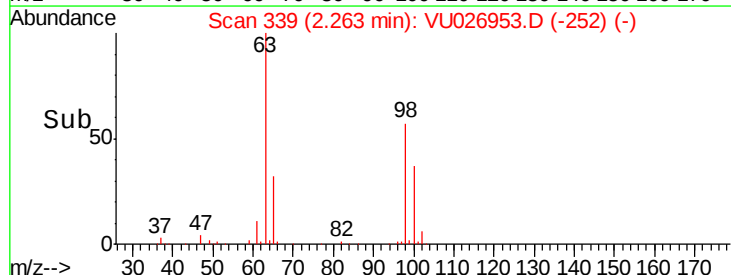
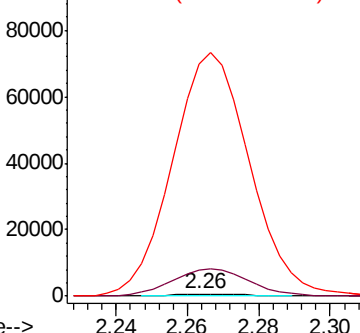
63 12460.0 97.7 181.5#

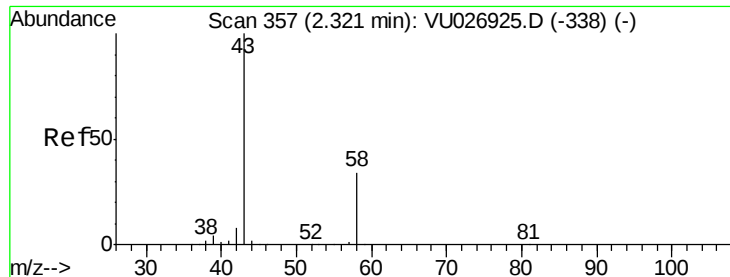


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.999 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026953.D

Acq: 20 Sep 2018 23:10

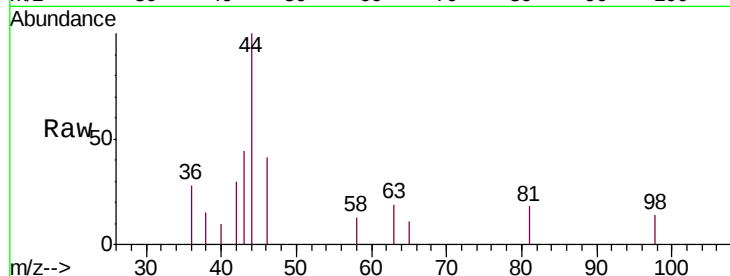
Instrument :
MSVOA_U
ClientSampled :
C08N2

Tgt Ion: 43 Resp: 847

Ion Ratio Lower Upper

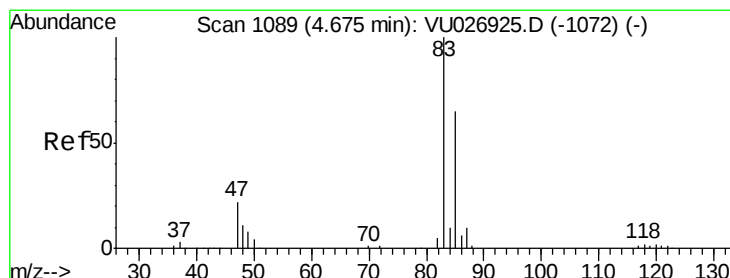
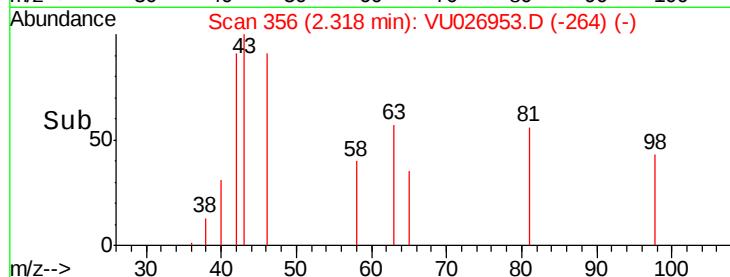
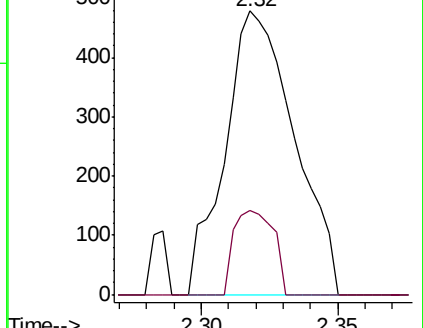
43 100

58 17.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU026925.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU026925.D (-338) (-)



#25

Chloroform

Concen: 2.716 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU026953.D

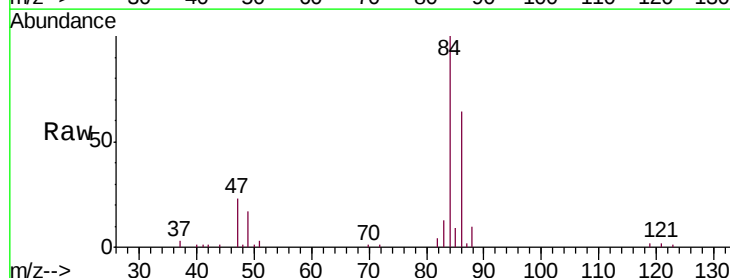
Acq: 20 Sep 2018 23:10

Tgt Ion: 83 Resp: 6658

Ion Ratio Lower Upper

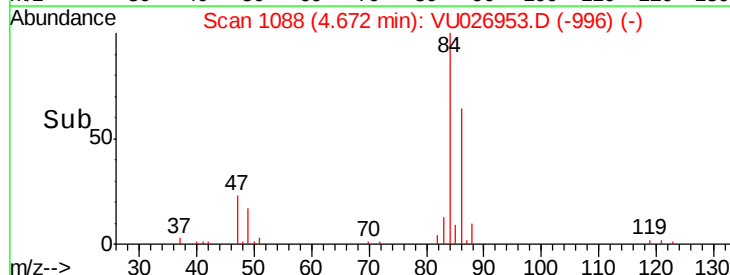
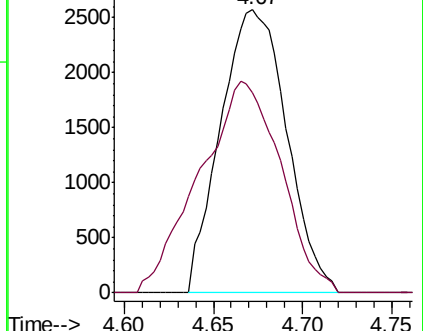
83 100

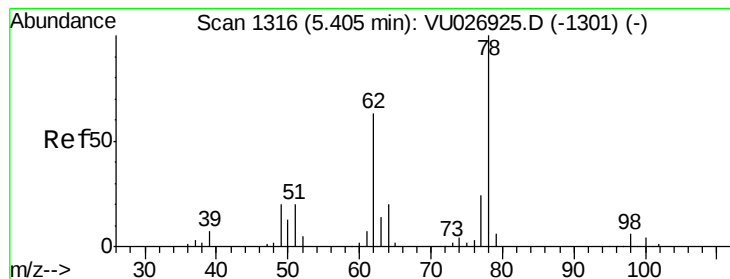
85 70.9 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU026925.D (-1072) (-)

Ion 85.00 (84.70 to 85.70): VU026925.D (-1072) (-)





#27

1,2-Dichloroethane

Concen: 1.819 ug/L

RT: 5.39 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VU026953.D

Acq: 20 Sep 2018 23:10

Instrument :

MSVOA_U

ClientSampleId :

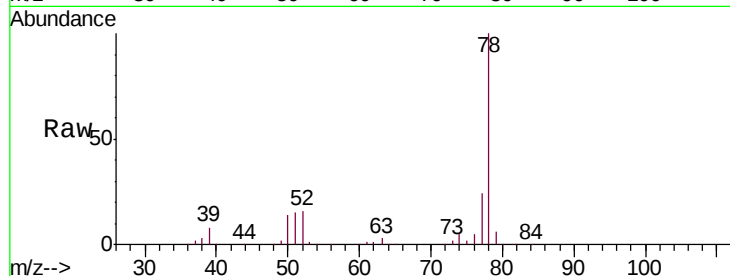
C08N2

Tgt Ion: 62 Resp: 3479

Ion Ratio Lower Upper

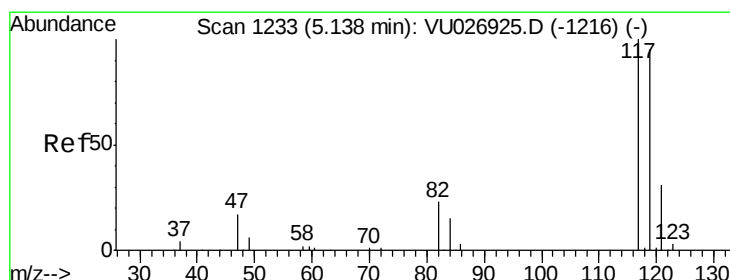
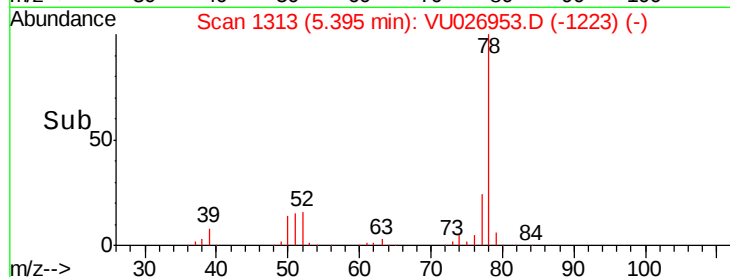
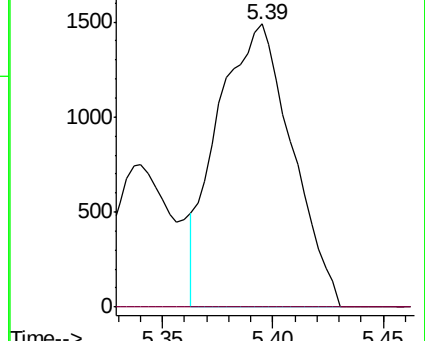
62 100

98 0.0 8.2 12.4#



Abundance Ion 62.00 (61.70 to 62.70): VU026925.D (-1301) (-)

Ion 98.00 (97.70 to 98.70): VU026925.D (-1301) (-)



#31

Carbon tetrachloride

Concen: 1.319 ug/L

RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU026953.D

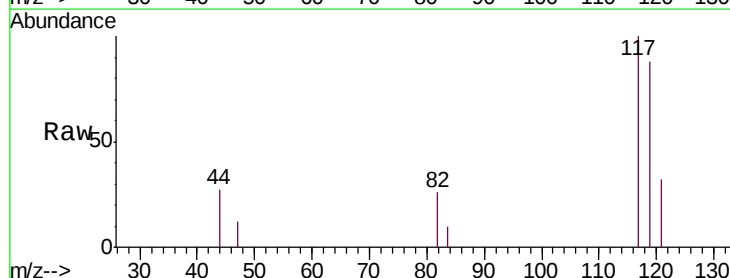
Acq: 20 Sep 2018 23:10

Tgt Ion: 117 Resp: 2232

Ion Ratio Lower Upper

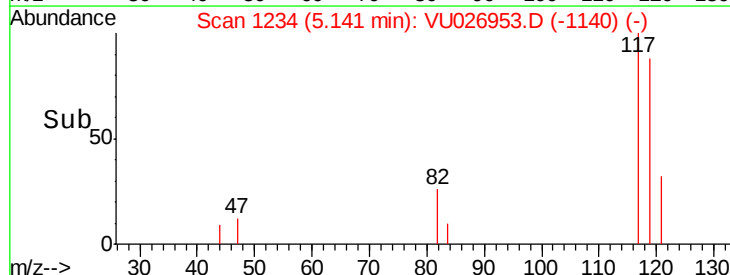
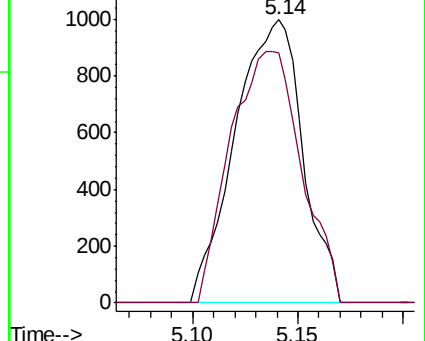
117 100

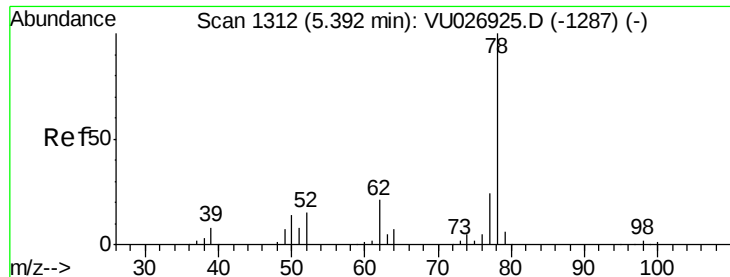
119 93.3 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): VU026925.D (-1216) (-)

Ion 119.00 (118.70 to 119.70): VU026925.D (-1216) (-)





#33

Benzene

Concen: 80.863 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU026953.D

Acq: 20 Sep 2018 23:10

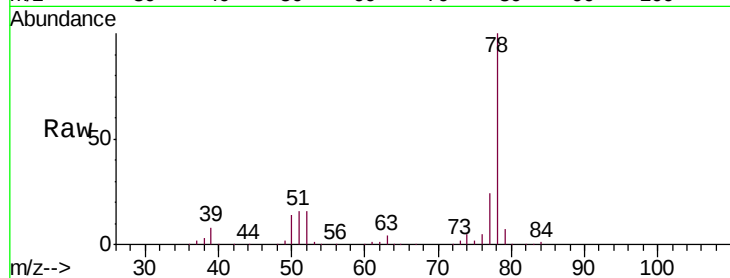
Instrument :

MSVOA_U

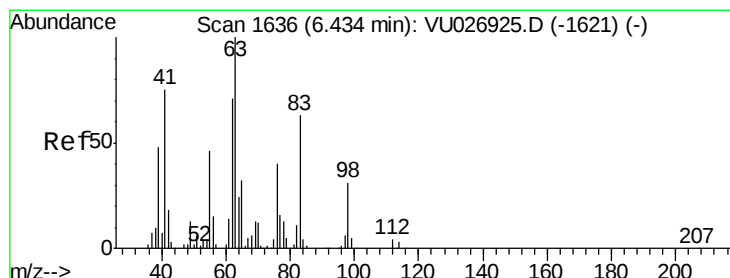
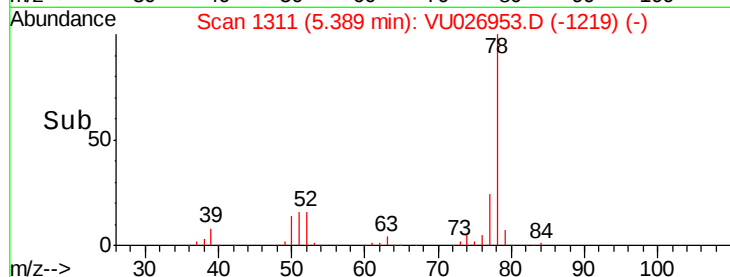
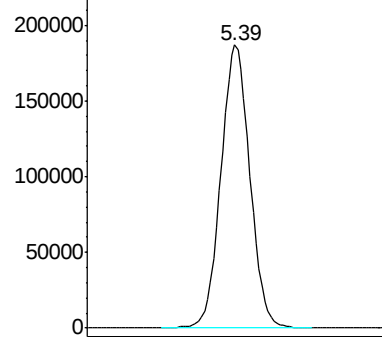
ClientSampleId :

C08N2

Tgt Ion: 78 Resp: 398022



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 7.701 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU026953.D

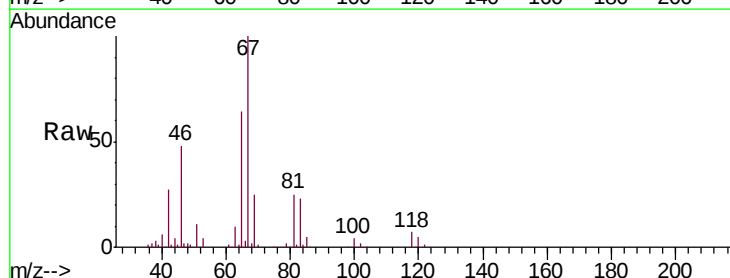
Acq: 20 Sep 2018 23:10

Tgt Ion: 63 Resp: 10413

Ion Ratio Lower Upper

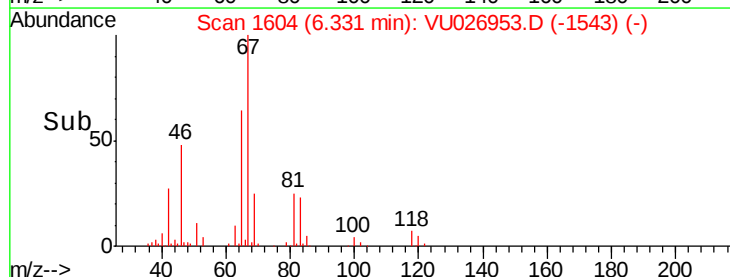
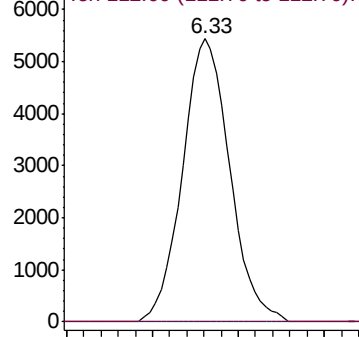
63 100

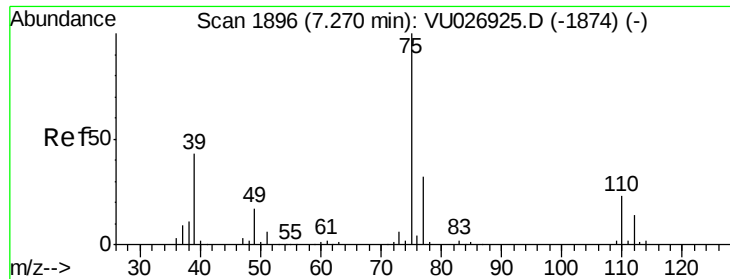
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

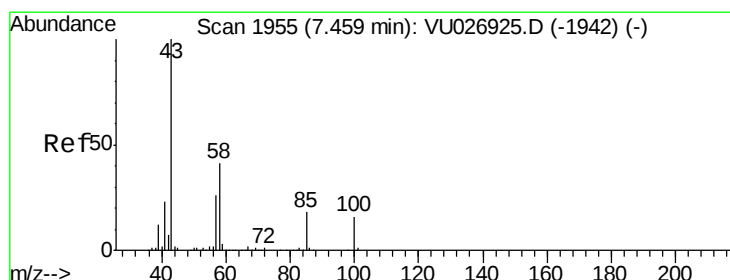
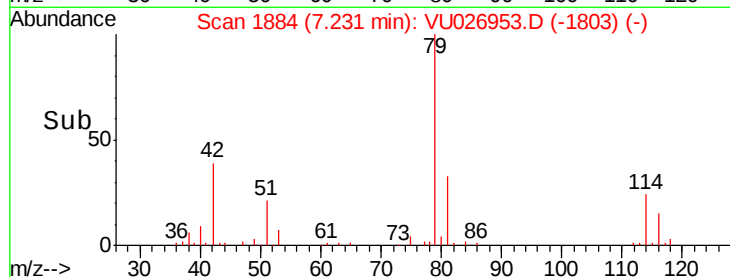
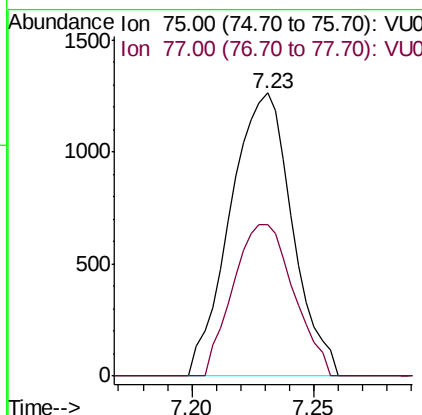
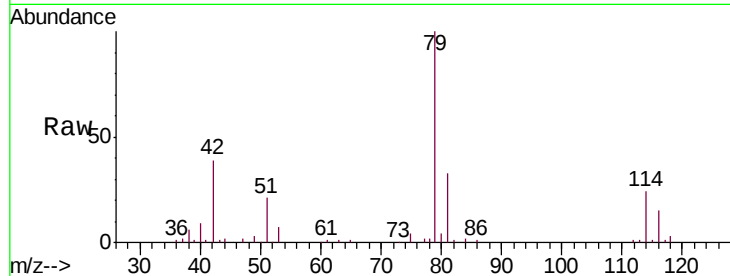




#39
 cis-1,3-Dichloropropene
 Concen: 1.169 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026953.D
 Acq: 20 Sep 2018 23:10

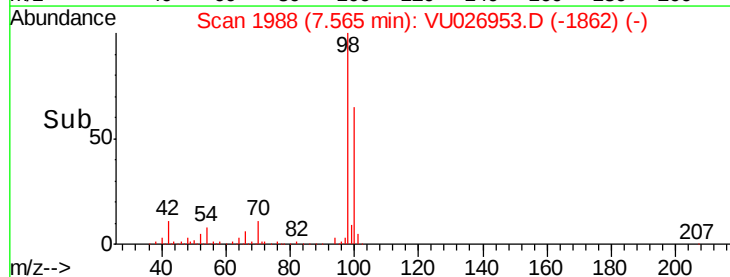
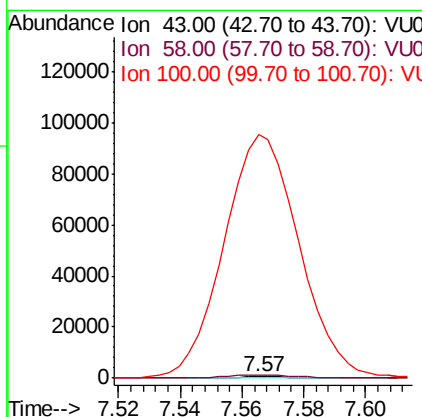
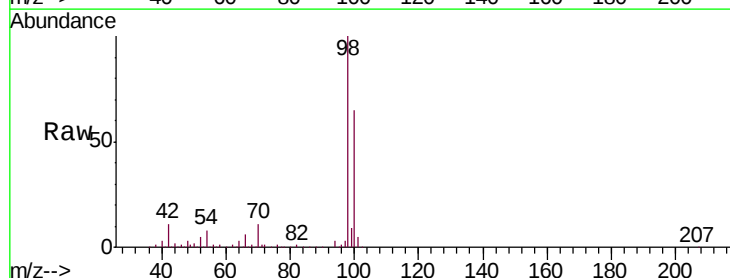
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N2

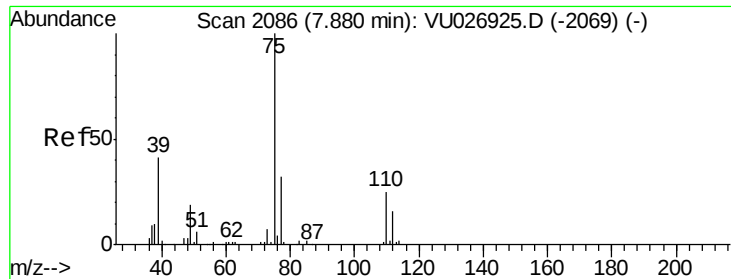
Tgt Ion: 75 Resp: 2233
 Ion Ratio Lower Upper
 75 100
 77 53.6 22.1 41.1#



#40
 4-Methyl-2-pentanone
 Concen: 0.529 ug/L
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.11 min
 Lab File: VU026953.D
 Acq: 20 Sep 2018 23:10

Tgt Ion: 43 Resp: 850
 Ion Ratio Lower Upper
 43 100
 58 230.6 32.0 48.0#
 100 19127.5 12.6 19.0#





#44

trans-1,3-Dichloropropene

Concen: 0.958 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026953.D

Acq: 20 Sep 2018 23:10

Instrument :

MSVOA_U

ClientSampleId :

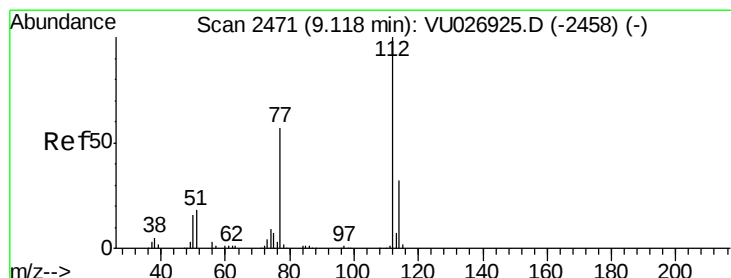
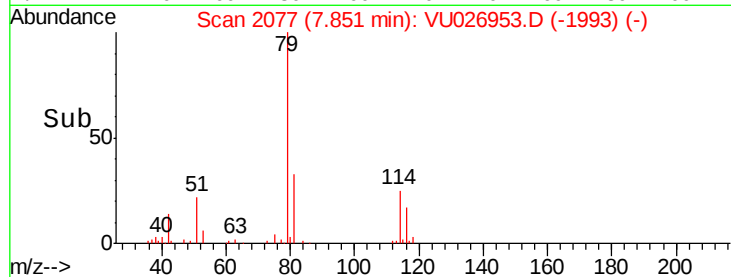
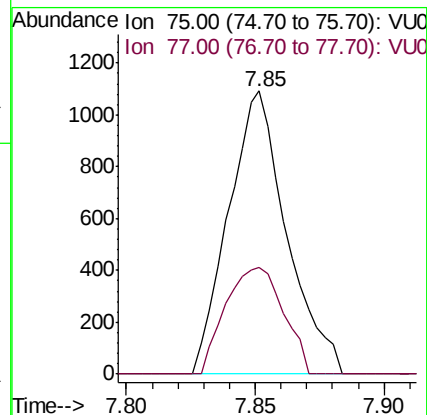
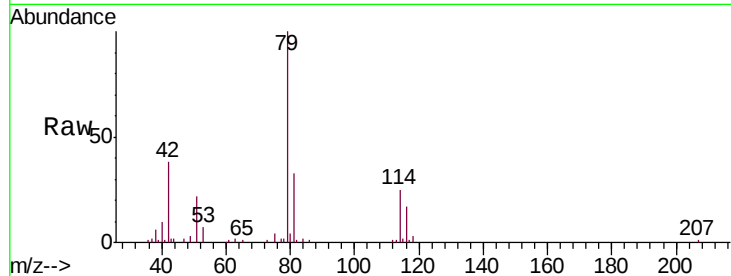
C08N2

Tgt Ion: 75 Resp: 1713

Ion Ratio Lower Upper

75 100

77 37.8 22.8 42.4



#51

Chlorobenzene

Concen: 339.360 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026953.D

Acq: 20 Sep 2018 23:10

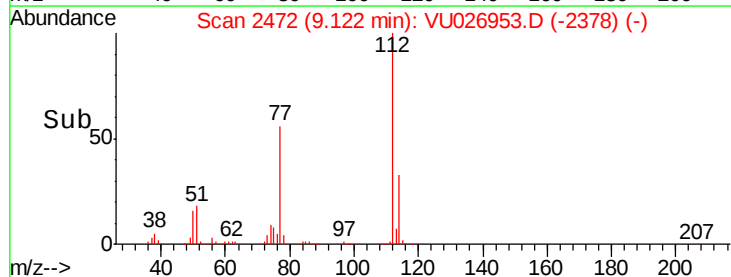
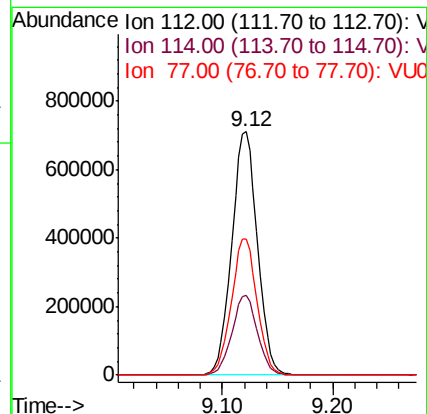
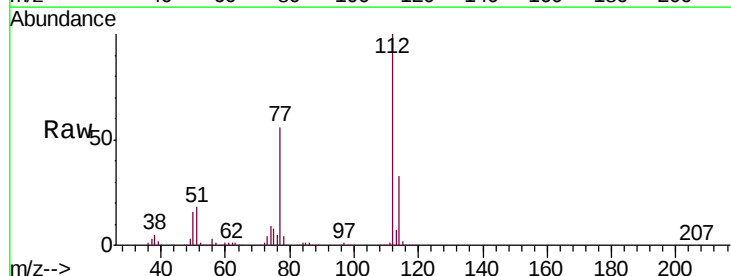
Tgt Ion: 112 Resp: 1146986

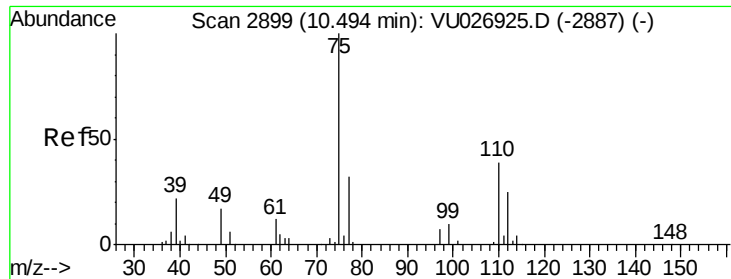
Ion Ratio Lower Upper

112 100

114 32.8 22.3 41.5

77 56.1 45.1 67.7





#59

1,2,3-Trichloropropane

Concen: 32.890 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026953.D

Acq: 20 Sep 2018 23:10

Instrument :

MSVOA_U

ClientSampled :

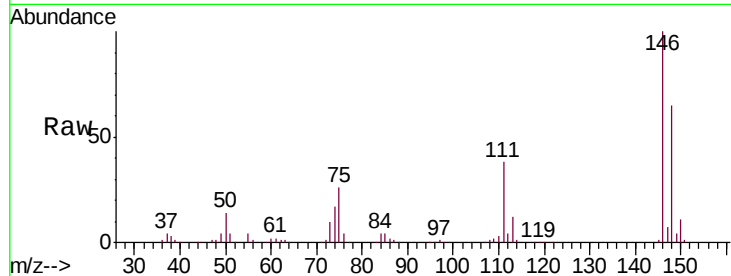
C08N2

Tgt Ion: 75 Resp: 53269

Ion Ratio Lower Upper

75 100

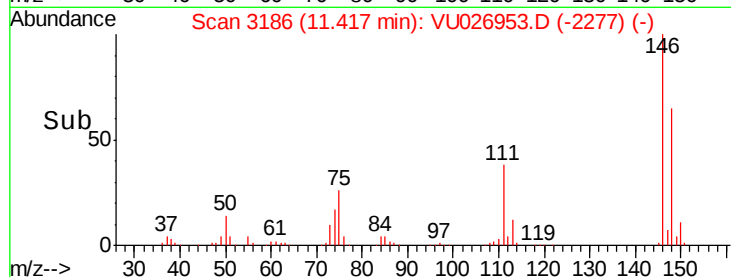
77 0.7 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU026925.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026925.D (-2887) (-)

Time-->

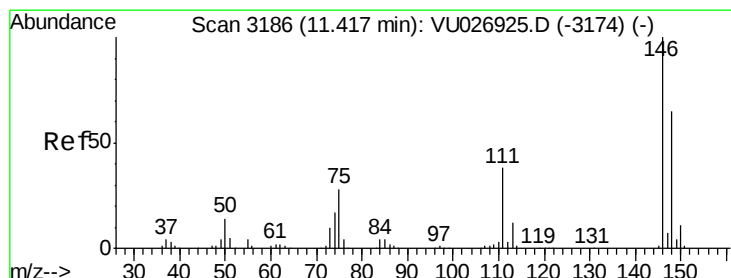


Abundance

Ion 75.00 (74.70 to 75.70): VU026953.D (-2277) (-)

Ion 77.00 (76.70 to 77.70): VU026953.D (-2277) (-)

Time-->



#62

1,3-Dichlorobenzene

Concen: 88.555 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026953.D

Acq: 20 Sep 2018 23:10

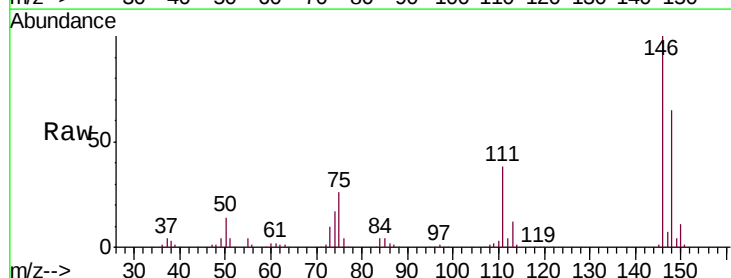
Tgt Ion: 146 Resp: 205797

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

148 64.6 44.9 83.5

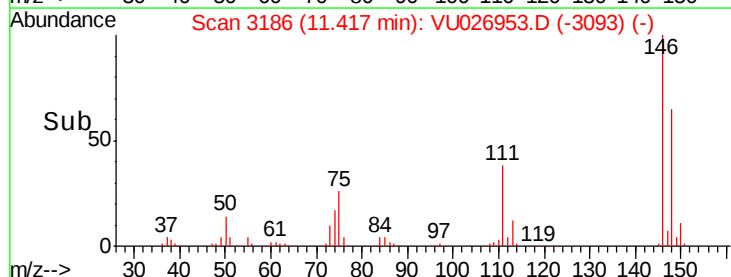


Abundance Ion 146.00 (145.70 to 146.70): VU026925.D (-3174) (-)

Ion 111.00 (110.70 to 111.70): VU026925.D (-3174) (-)

Ion 148.00 (147.70 to 148.70): VU026925.D (-3174) (-)

Time-->



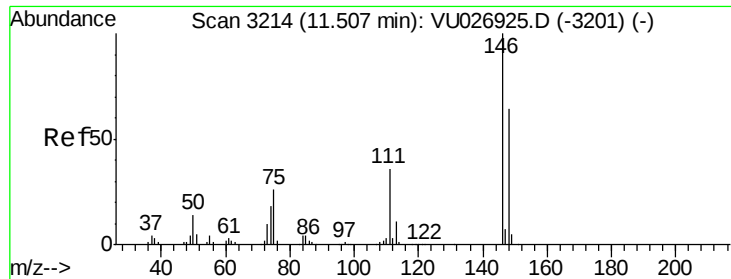
Abundance

Ion 146.00 (145.70 to 146.70): VU026953.D (-3093) (-)

Ion 111.00 (110.70 to 111.70): VU026953.D (-3093) (-)

Ion 148.00 (147.70 to 148.70): VU026953.D (-3093) (-)

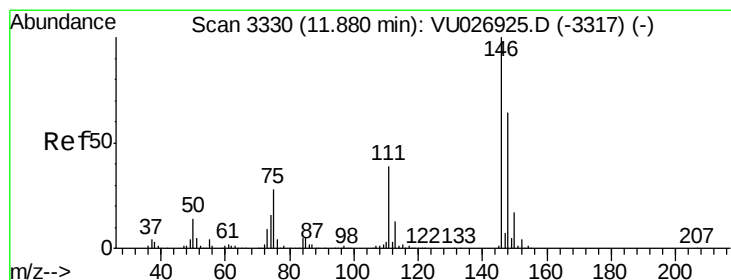
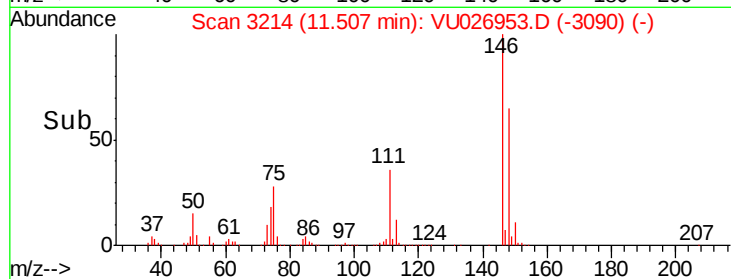
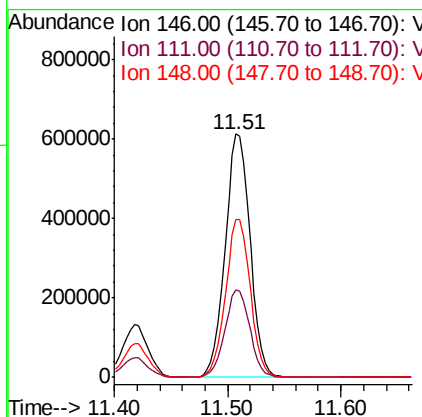
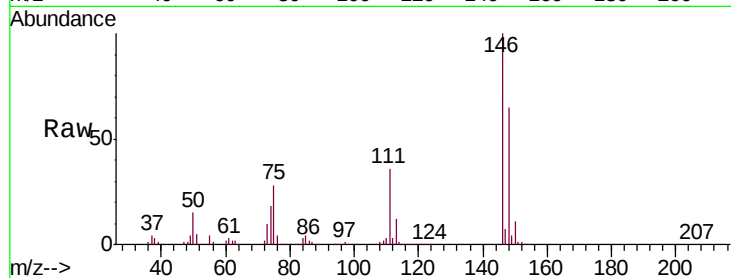
Time-->



#63
 1,4-Dichlorobenzene
 Concen: 366.737 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026953.D
 Acq: 20 Sep 2018 23:10

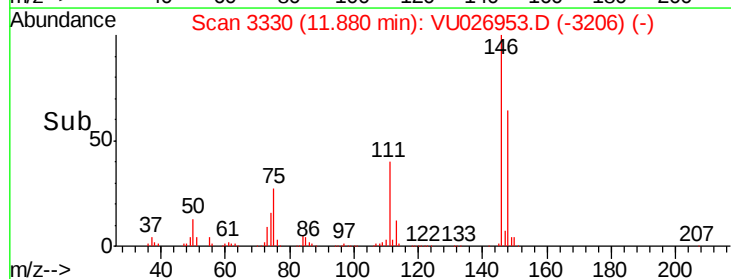
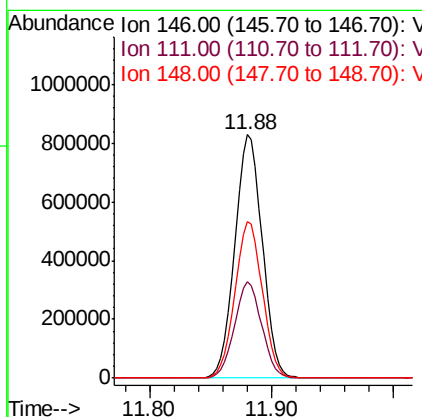
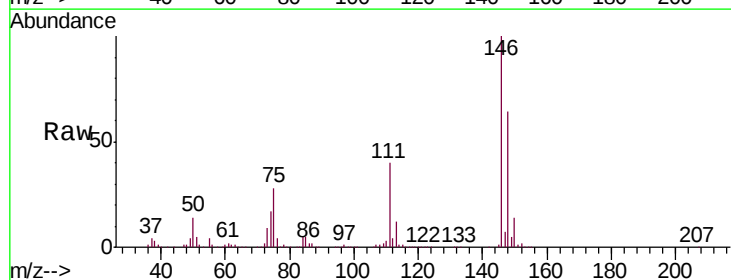
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N2

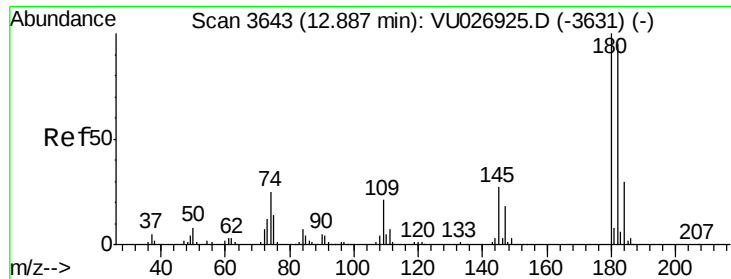
Tgt Ion:146 Resp: 938466
 Ion Ratio Lower Upper
 146 100
 111 35.9 26.0 48.2
 148 64.9 45.8 85.2



#65
 1,2-Dichlorobenzene
 Concen: 502.773 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026953.D
 Acq: 20 Sep 2018 23:10

Tgt Ion:146 Resp: 1293741
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.4 47.0
 148 64.3 51.4 77.2

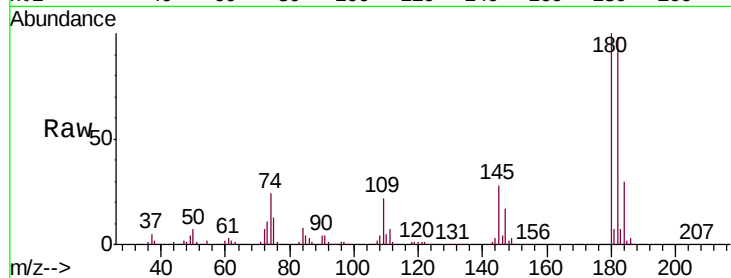




#67
 1,3,5-Trichlorobenzene
 Concen: 92.172 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU026953.D
 Acq: 20 Sep 2018 23:10

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N2

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.7	115.1
184	30.5	24.2	36.4
145	27.9	21.8	32.6



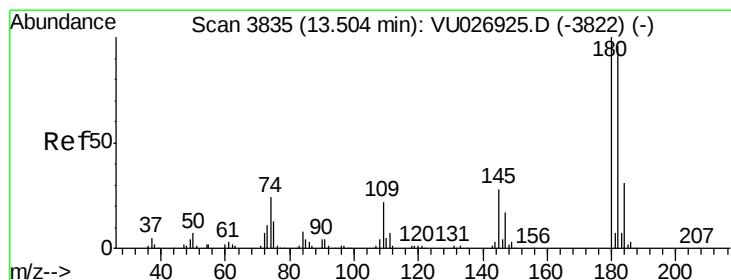
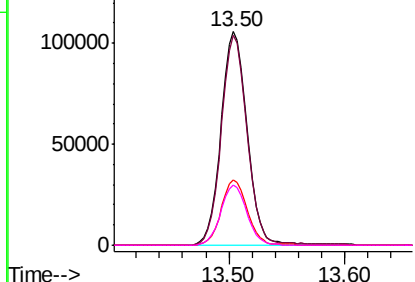
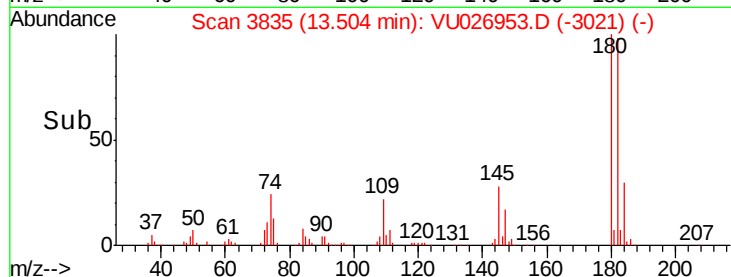
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

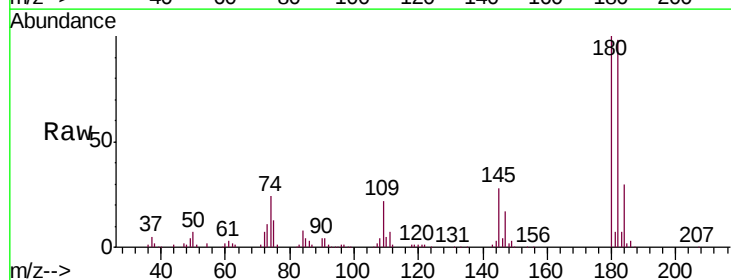
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 106.961 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026953.D
 Acq: 20 Sep 2018 23:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	27.9	22.2	33.2

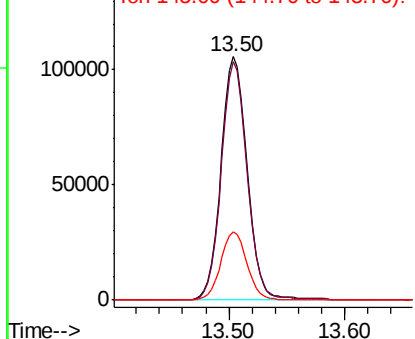
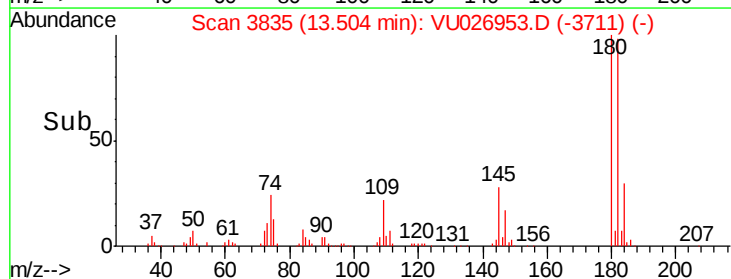


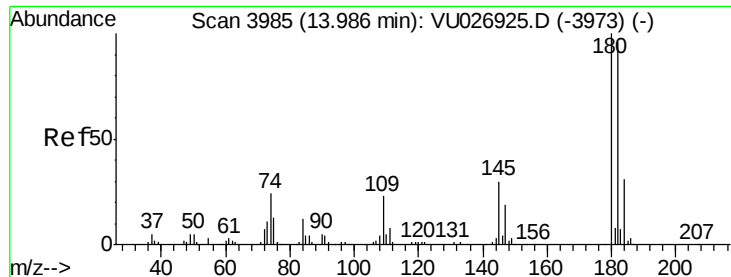
Abundance

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

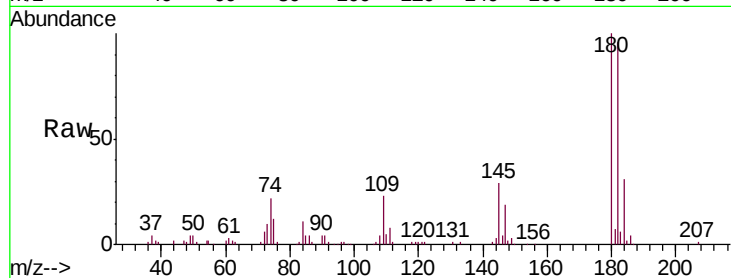




#70
 1,2,3-Trichlorobenzene
 Concen: 45.380 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026953.D
 Acq: 20 Sep 2018 23:10

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N2

Tgt Ion:180 Resp: 77443
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.6 113.4
 145 28.8 23.8 35.6



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

