

Data File : VU026946.D
Acq On : 20 Sep 2018 20:21
Operator : MD/SY
Sample : J5012-03 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K5

Quant Time: Sep 21 06:03:21 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	246947	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	230983	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	121708	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90553	49.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.14%
7) Chloroethane-d5	1.66	69	78924	50.48	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.96%
11) 1,1-Dichloroethene-d2	2.26	63	127331	36.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.68%
21) 2-Butanone-d5	4.18	46	148919	122.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.84%
24) Chloroform-d	4.65	84	166911	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
26) 1,2-Dichloroethane-d4	5.31	65	107968	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.20%
32) Benzene-d6	5.34	84	340854	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.32%
36) 1,2-Dichloropropane-d6	6.33	67	110028	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.50%
41) Toluene-d8	7.57	98	296142	50.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.28%
43) trans-1,3-Dichloropropene-	7.85	79	48733	52.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.66%
47) 2-Hexanone-d5	8.31	63	111445	135.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	135.95%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	156884	53.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	141416	55.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.70%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1184	0.694 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1013	0.633 ug/L #	1
13) Acetone	2.32	43	2470	2.073 ug/L	94
25) Chloroform	4.67	83	33326	9.672 ug/L	96
27) 1,2-Dichloroethane	5.39	62	24391	9.072 ug/L #	72
31) Carbon tetrachloride	5.13	117	13566	5.509 ug/L	100
33) Benzene	5.39	78	3043760	425.026 ug/L	100
37) 1,2-Dichloropropane	6.33	63	11428	5.809 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2399	0.863 ug/L #	52
44) trans-1,3-Dichloropropene	7.85	75	1951	0.750 ug/L	85
51) Chlorobenzene	9.12	112	6973846	1418.197 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	63559	26.973 ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	240770	64.894 ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	2979457	729.285 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	3079613	749.625 ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	251305	87.529 ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	251305	101.573 ug/L	100

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

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QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	78895	28.957	ug/L	97

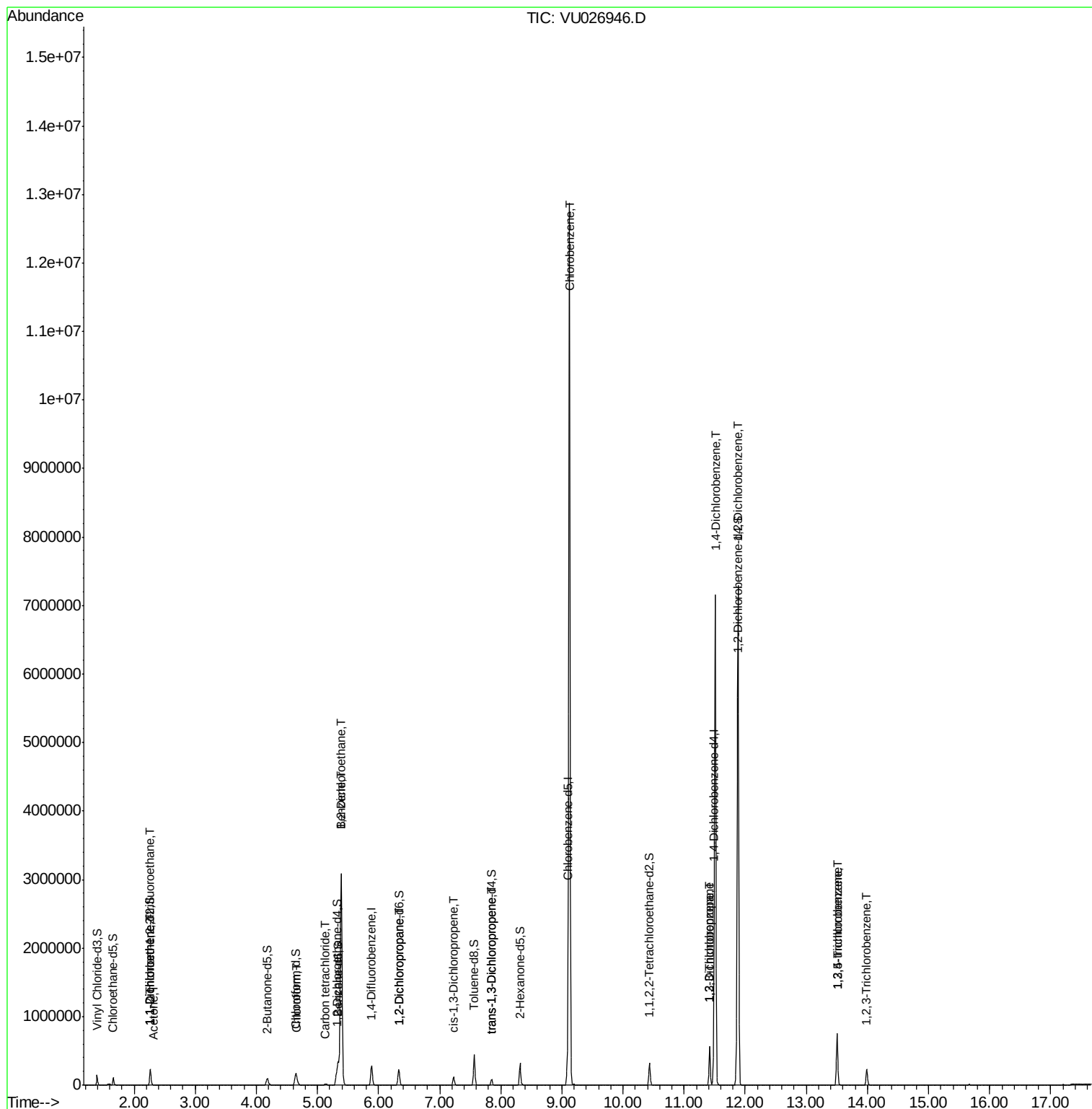
(#) = qualifier out of range (m) = manual integration (+) = signals summed

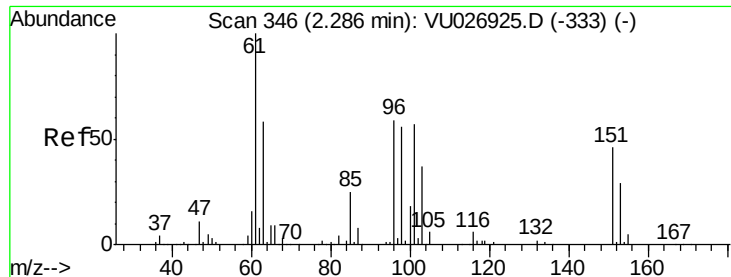
Data File : VU026946.D

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Operator    : MD/SY
Sample      : J5012-03 50X
Misc        : 5.0mL/MSVOA_U/WATER
ALS Vial    : 24   Sample Multiplier: 1
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Quant Method : Z:\V\OASRV\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: 0.694 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026946.D

Acq: 20 Sep 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

C08K5

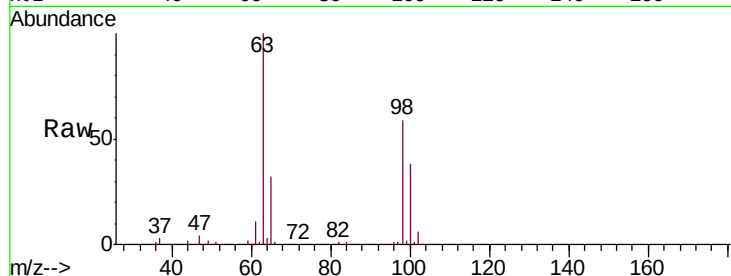
Tgt Ion: 101 Resp: 1184

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

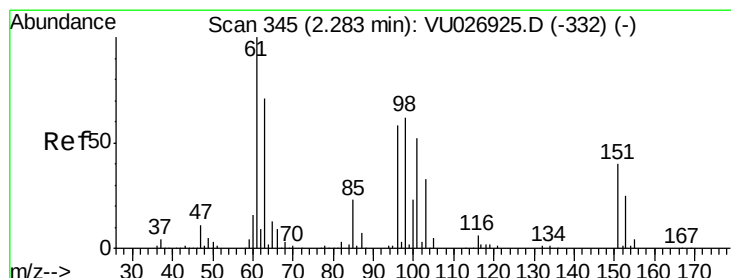
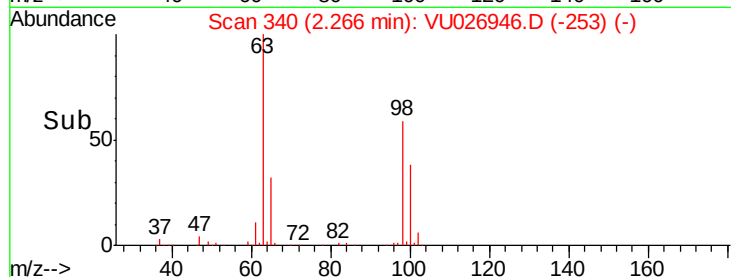
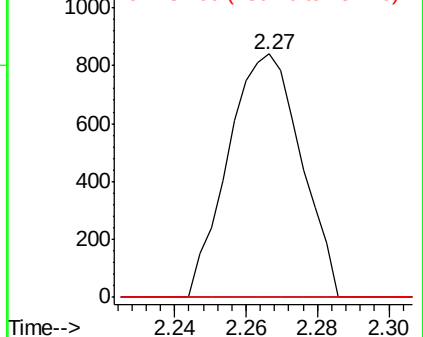
151 0.0 63.0 94.4#



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: 0.633 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026946.D

Acq: 20 Sep 2018 20:21

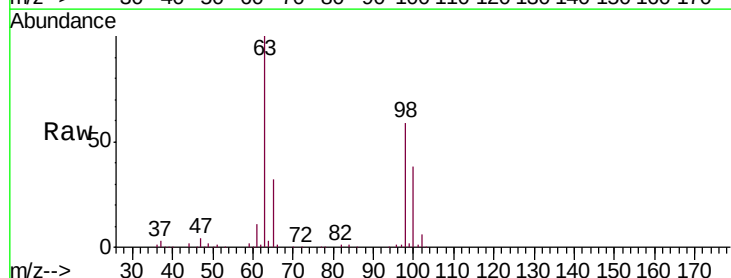
Tgt Ion: 96 Resp: 1013

Ion Ratio Lower Upper

96 100

61 1360.5 124.0 230.4#

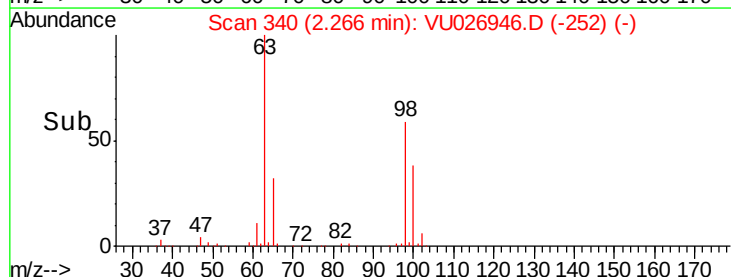
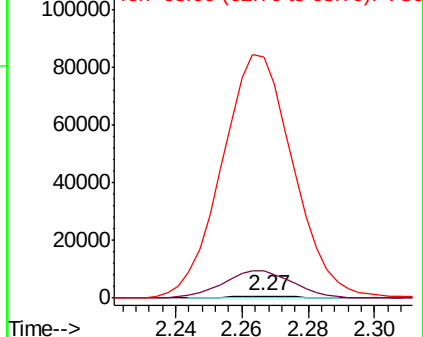
63 12033.3 97.7 181.5#

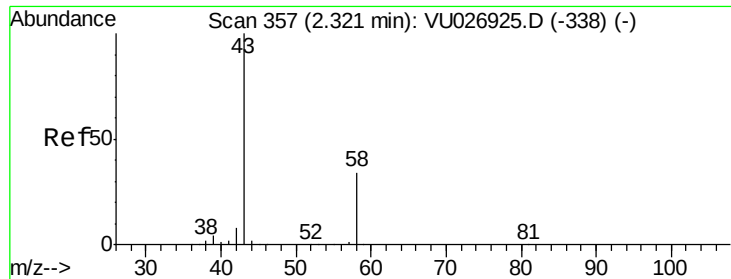


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.073 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026946.D

Acq: 20 Sep 2018 20:21

Instrument :

MSVOA_U

ClientSampled :

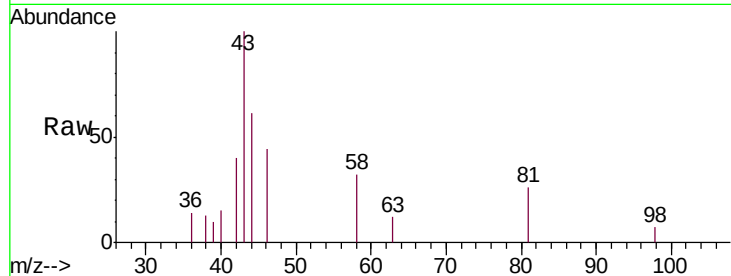
C08K5

Tgt Ion: 43 Resp: 2470

Ion Ratio Lower Upper

43 100

58 29.1 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

1500

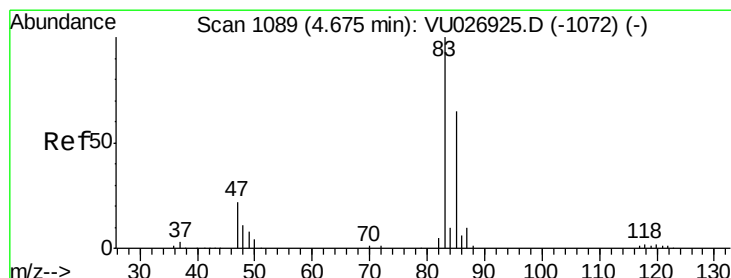
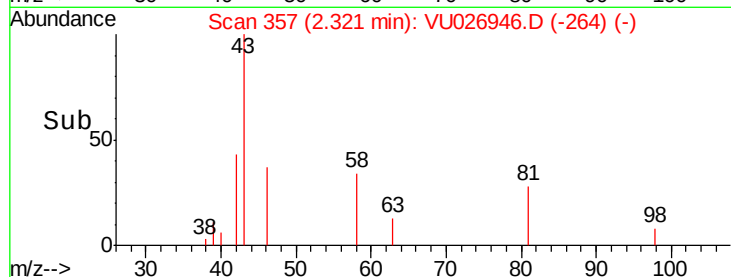
1000

500

0

2.30 2.35

Time-->



#25

Chloroform

Concen: 9.672 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU026946.D

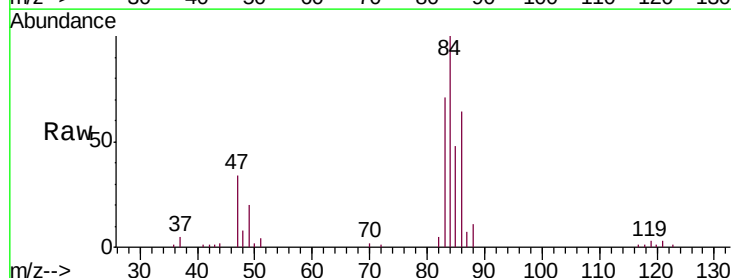
Acq: 20 Sep 2018 20:21

Tgt Ion: 83 Resp: 33326

Ion Ratio Lower Upper

83 100

85 66.8 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

15000

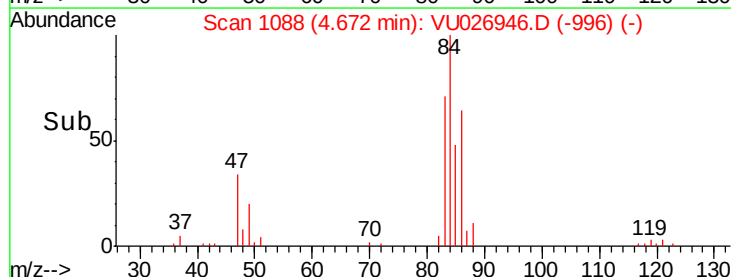
10000

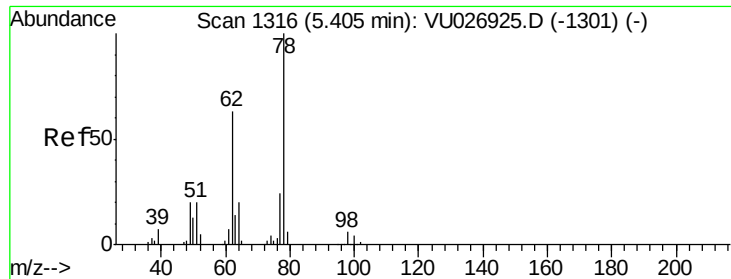
5000

0

4.60 4.65 4.70 4.75

Time-->

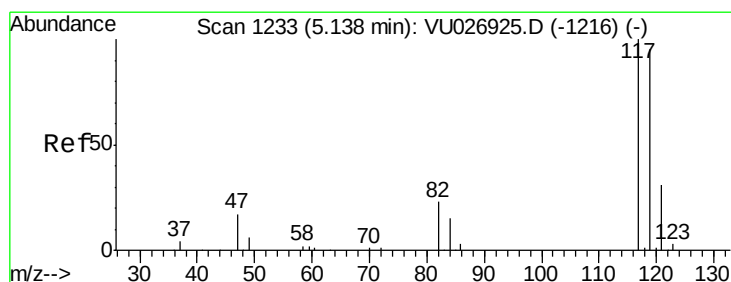
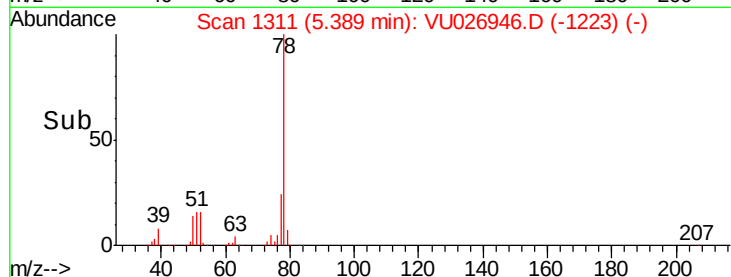
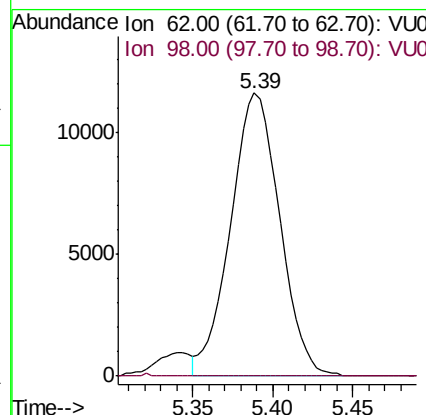
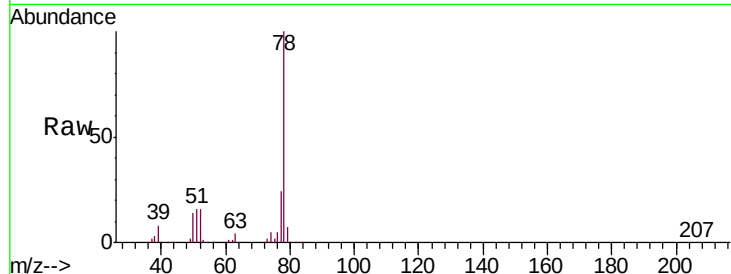




#27
 1,2-Dichloroethane
 Concen: 9.072 ug/L
 RT: 5.39 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

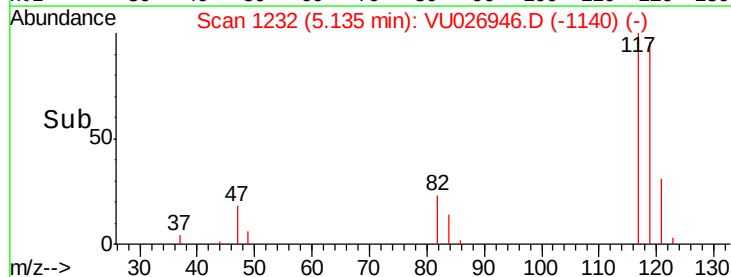
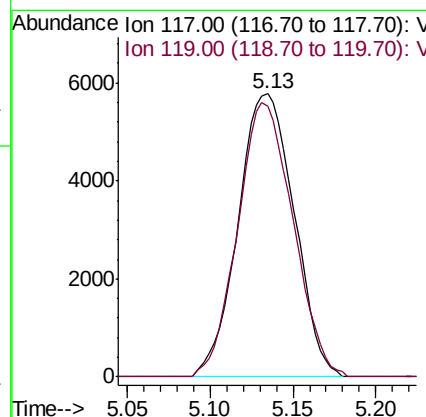
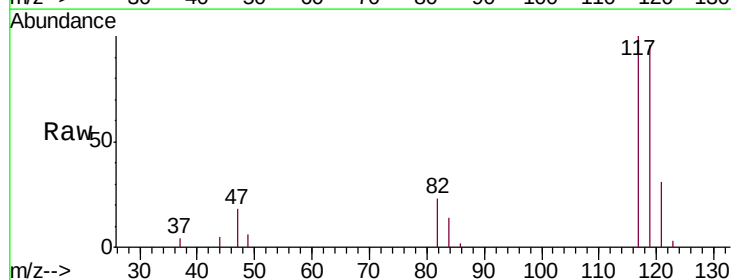
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K5

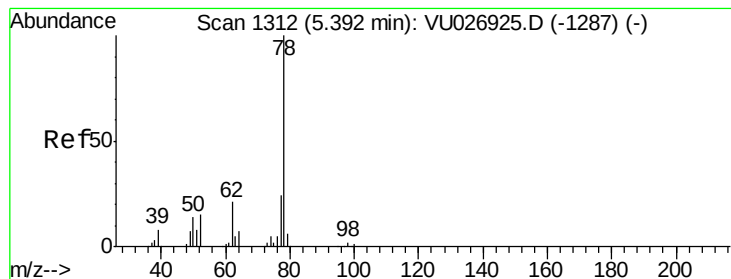
Tgt Ion: 62 Resp: 24391
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#31
 Carbon tetrachloride
 Concen: 5.509 ug/L
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

Tgt Ion: 117 Resp: 13566
 Ion Ratio Lower Upper
 117 100
 119 95.7 76.3 114.5





#33

Benzene

Concen: 425.026 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU026946.D

Acq: 20 Sep 2018 20:21

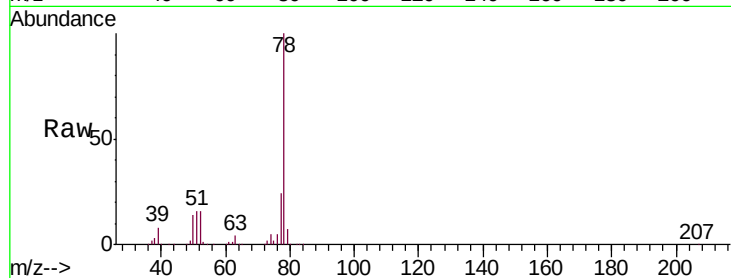
Instrument :

MSVOA_U

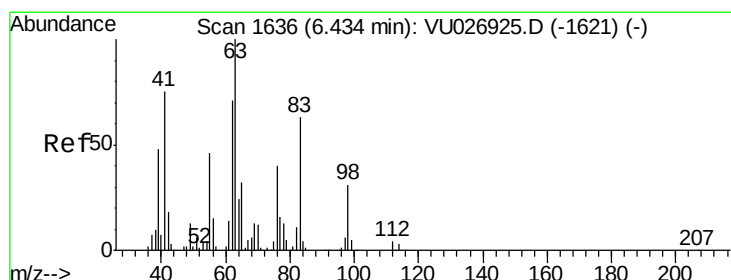
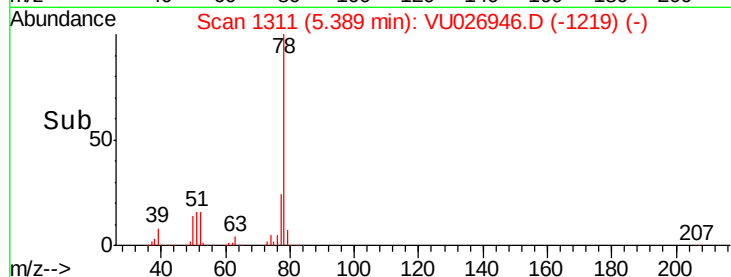
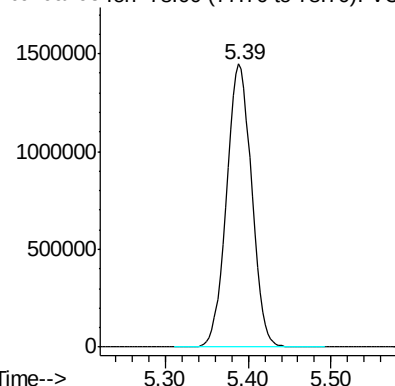
ClientSampleId :

C08K5

Tgt Ion: 78 Resp: 3043760



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 5.809 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU026946.D

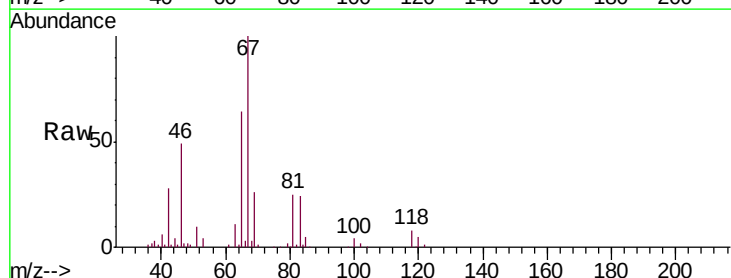
Acq: 20 Sep 2018 20:21

Tgt Ion: 63 Resp: 11428

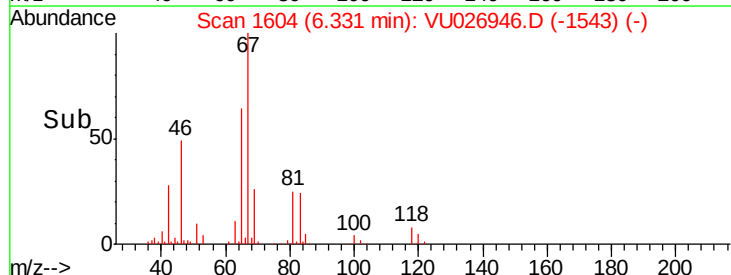
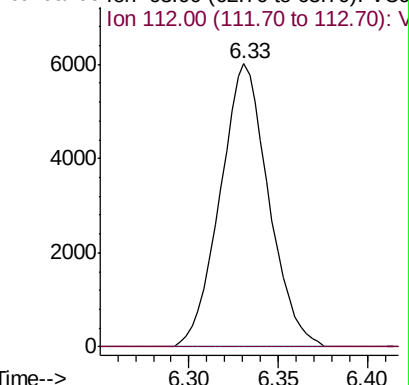
Ion Ratio Lower Upper

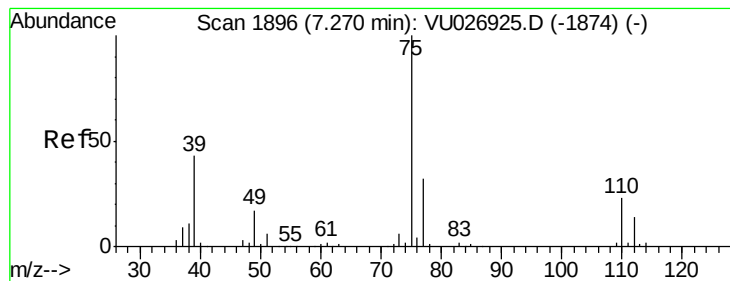
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VU0



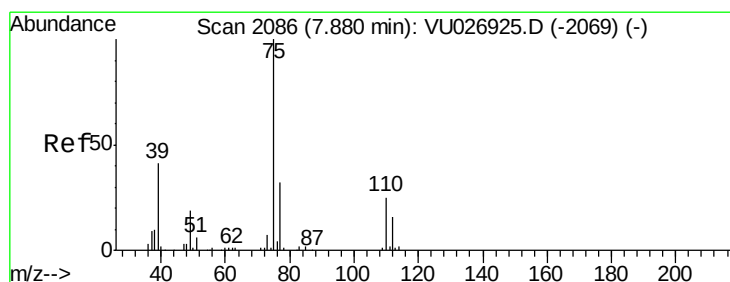
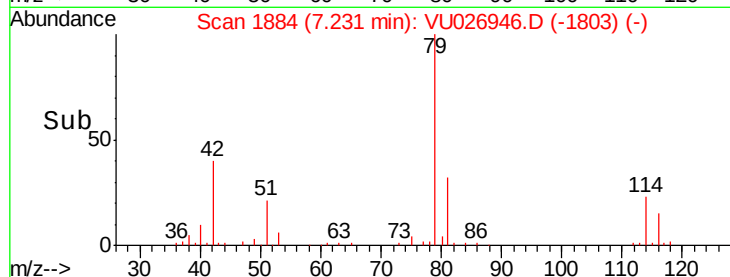
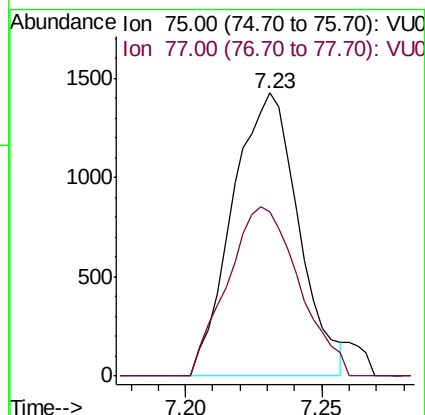
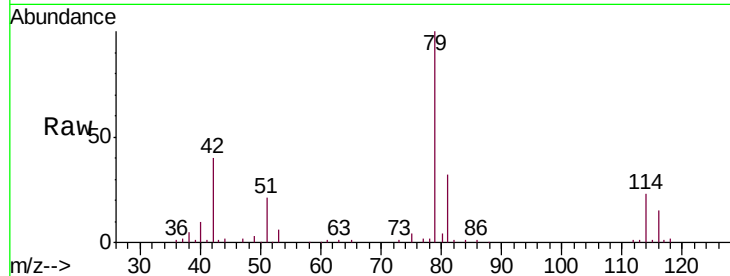


#39

cis-1,3-Dichloropropene
Concen: 0.863 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU026946.D
Acq: 20 Sep 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
C08K5

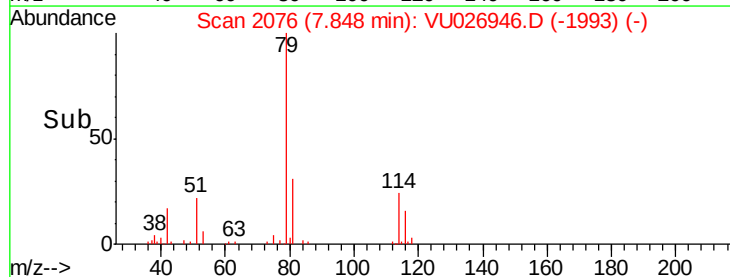
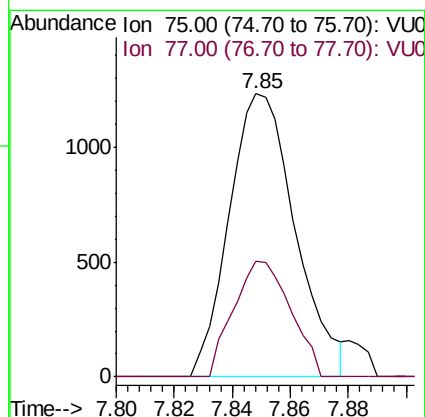
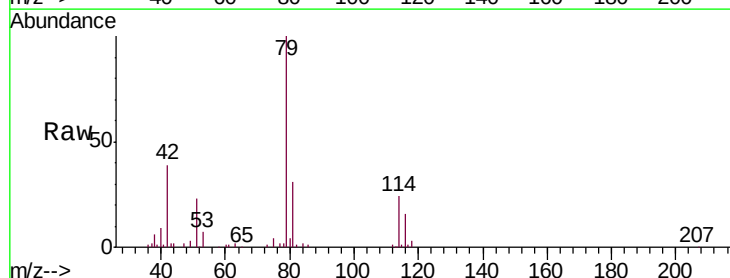
Tgt Ion: 75 Resp: 2399
Ion Ratio Lower Upper
75 100
77 58.0 22.1 41.1#

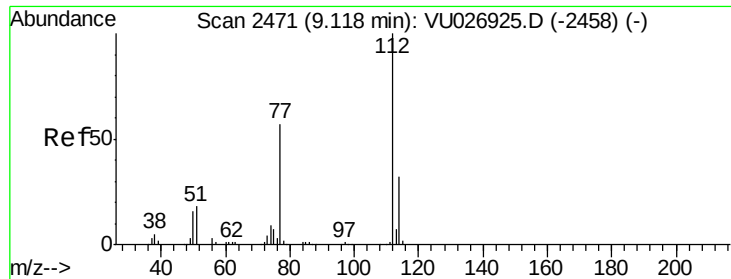


#44

trans-1,3-Dichloropropene
Concen: 0.750 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU026946.D
Acq: 20 Sep 2018 20:21

Tgt Ion: 75 Resp: 1951
Ion Ratio Lower Upper
75 100
77 41.0 22.8 42.4





#51

Chlorobenzene

Concen: 1418.197 ug/L

RT: 9.12 min Scan# 2473

Delta R.T. 0.01 min

Lab File: VU026946.D

Acq: 20 Sep 2018 20:21

Instrument :

MSVOA_U

ClientSampled :

C08K5

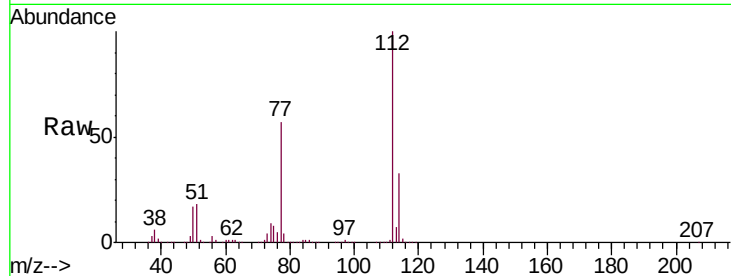
Tgt Ion:112 Resp: 6973846

Ion Ratio Lower Upper

112 100

114 33.0 22.3 41.5

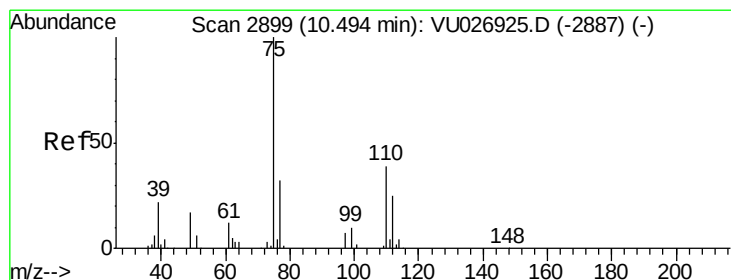
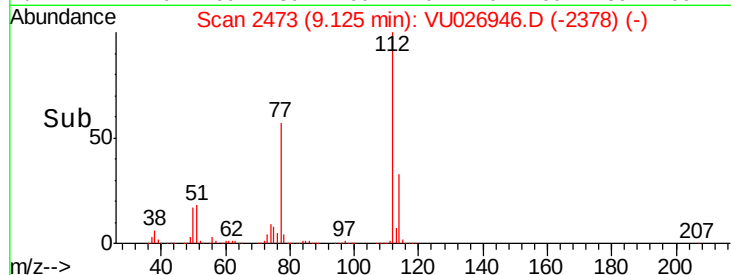
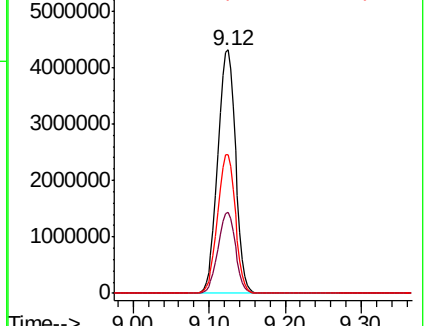
77 57.1 45.1 67.7



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): VU



#59

1,2,3-Trichloropropane

Concen: 26.973 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026946.D

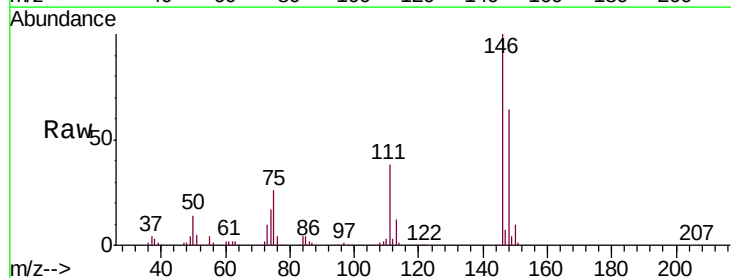
Acq: 20 Sep 2018 20:21

Tgt Ion: 75 Resp: 63559

Ion Ratio Lower Upper

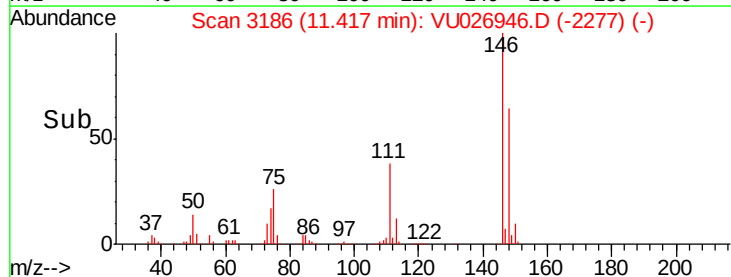
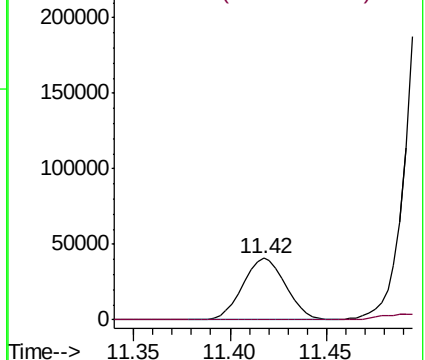
75 100

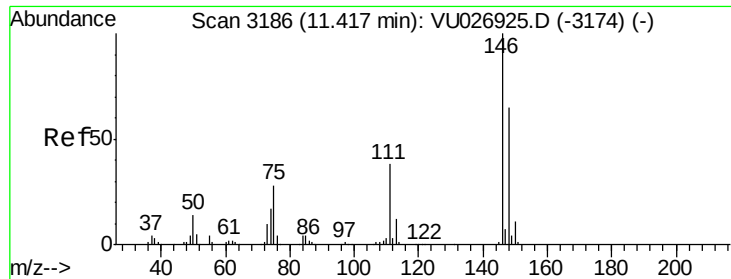
77 0.6 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 64.894 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026946.D

Acq: 20 Sep 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

C08K5

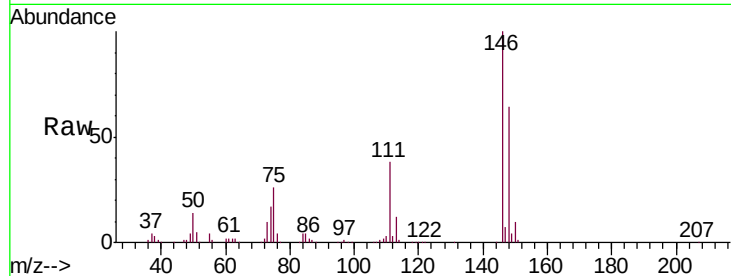
Tgt Ion:146 Resp: 240770

Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.7

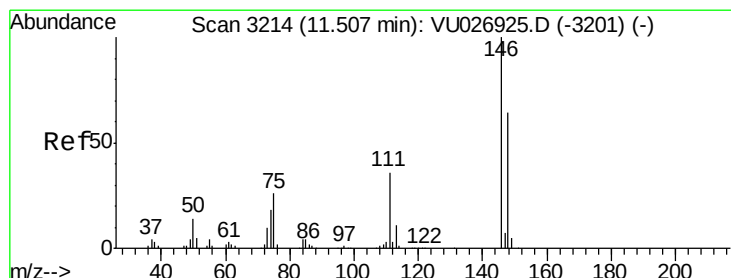
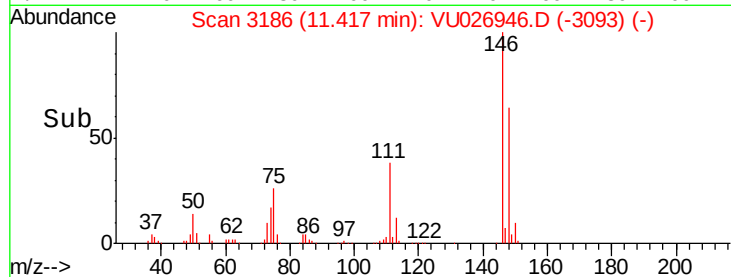
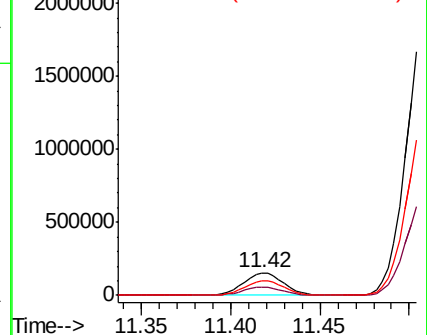
148 63.7 44.9 83.5



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: 729.285 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026946.D

Acq: 20 Sep 2018 20:21

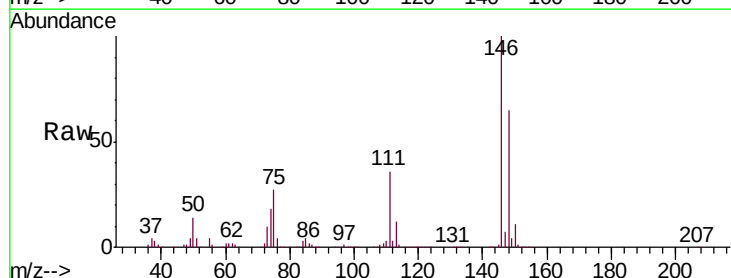
Tgt Ion:146 Resp: 2979457

Ion Ratio Lower Upper

146 100

111 36.1 26.0 48.2

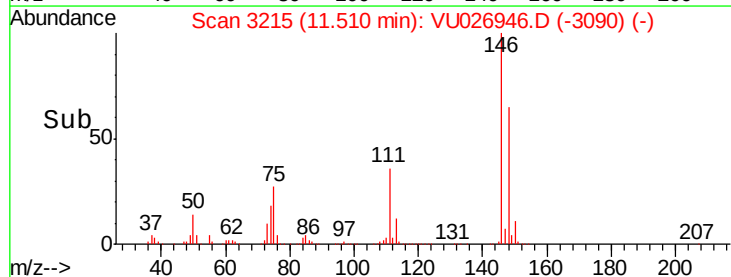
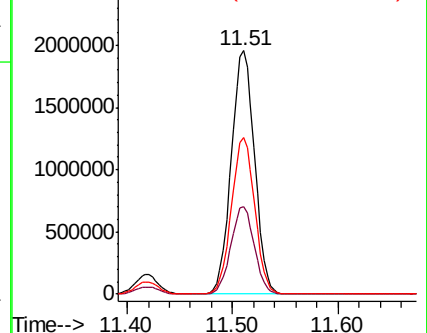
148 64.5 45.8 85.2

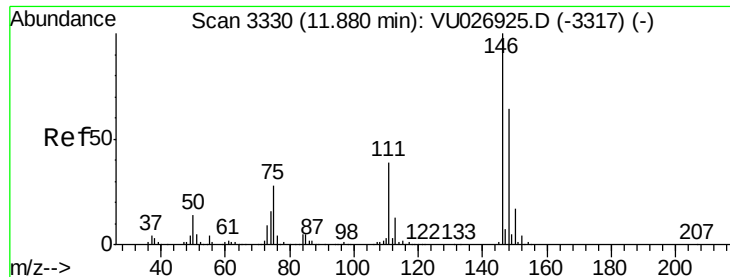


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

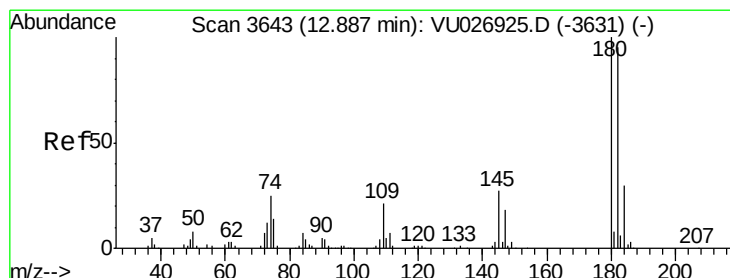
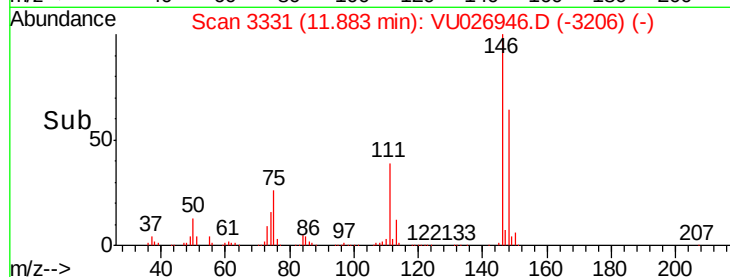
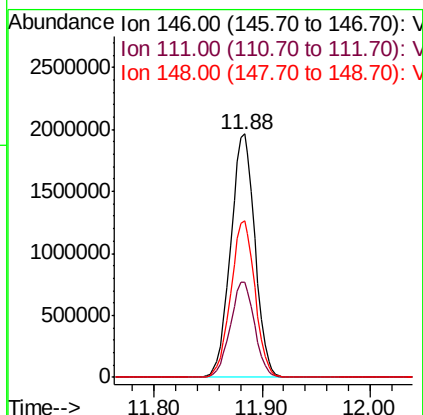
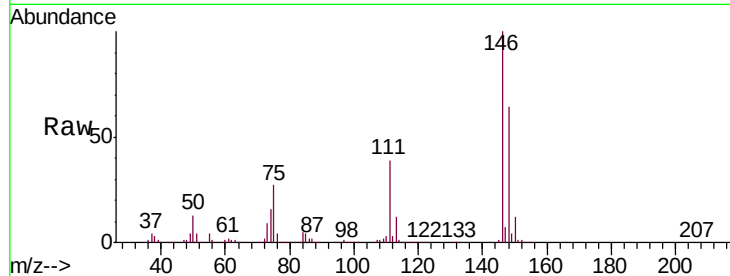




#65
 1,2-Dichlorobenzene
 Concen: 749.625 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

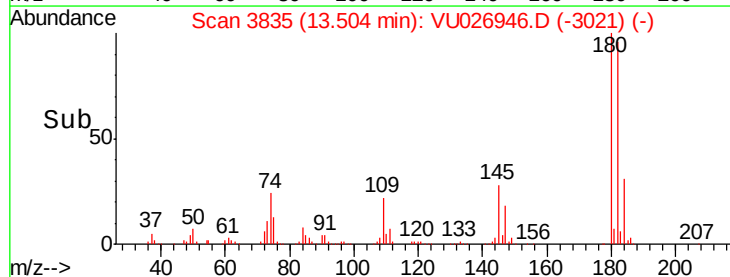
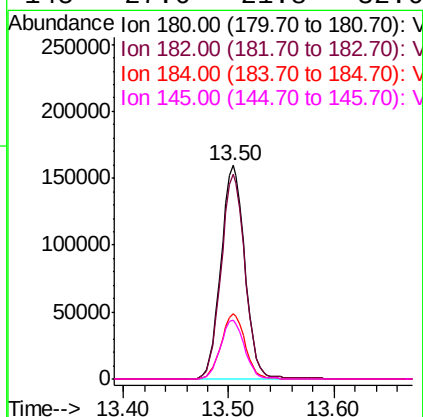
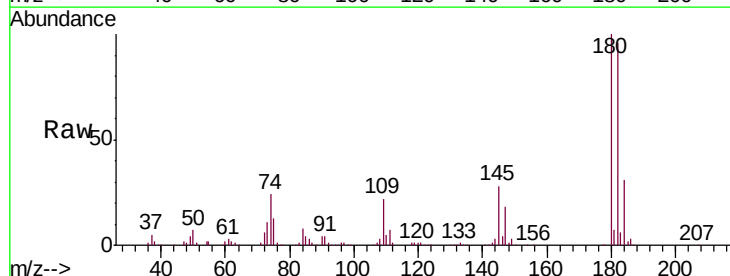
Instrument :
 MSVOA_U
 ClientSampled :
 C08K5

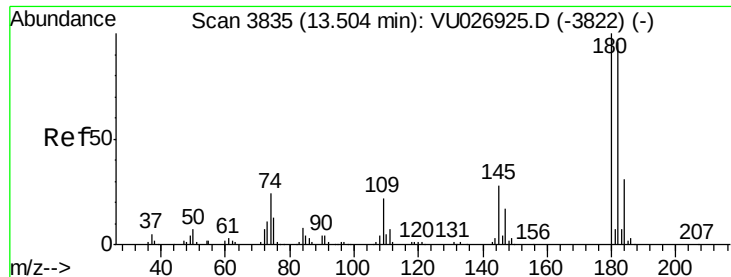
Tgt Ion:146 Resp: 3079613
 Ion Ratio Lower Upper
 146 100
 111 39.1 31.4 47.0
 148 64.3 51.4 77.2



#67
 1,3,5-Trichlorobenzene
 Concen: 87.529 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

Tgt Ion:180 Resp: 251305
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.7 115.1
 184 30.6 24.2 36.4
 145 27.6 21.8 32.6

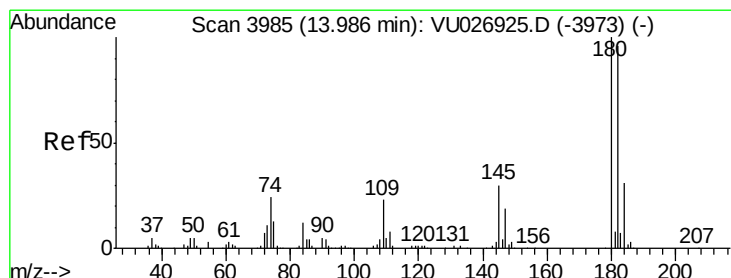
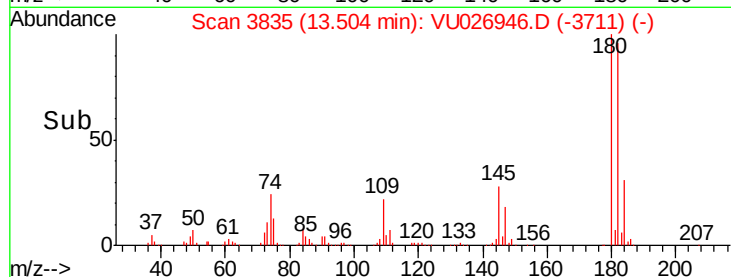
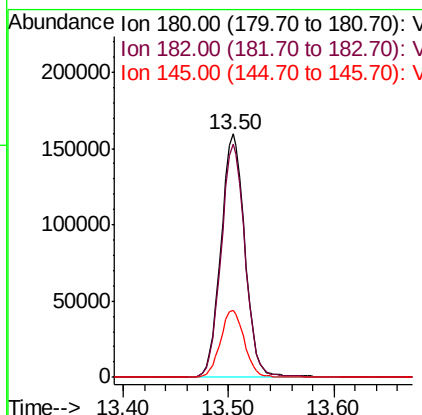
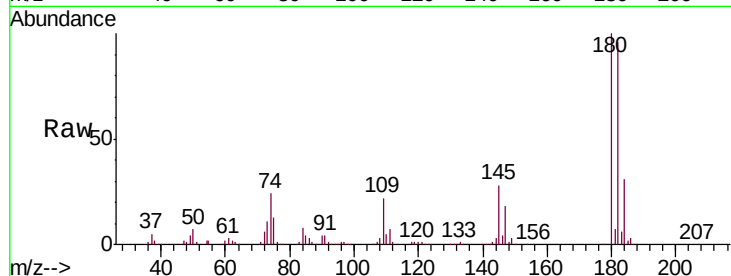




#68
 1,2,4-trichlorobenzene
 Concen: 101.573 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K5

Tgt Ion:180 Resp: 251305
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.8 115.2
 145 27.6 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 28.957 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026946.D
 Acq: 20 Sep 2018 20:21

Tgt Ion:180 Resp: 78895
 Ion Ratio Lower Upper
 180 100
 182 98.0 75.6 113.4
 145 28.5 23.8 35.6

