

Data File : VU026936.D
Acq On : 20 Sep 2018 14:15
Operator : MD/SY
Sample : J4893-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08N0

Quant Time: Sep 21 04:26:01 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	277054	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	257309	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	128305	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75021	36.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.20%
7) Chloroethane-d5	1.68	69	63289	36.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.16%
11) 1,1-Dichloroethene-d2	2.27	63	103675	26.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.46%#
21) 2-Butanone-d5	4.18	46	98458	72.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	72.39%
24) Chloroform-d	4.65	84	129789	34.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.28%#
26) 1,2-Dichloroethane-d4	5.31	65	83304	34.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.60%#
32) Benzene-d6	5.34	84	268136	37.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.36%
36) 1,2-Dichloropropane-d6	6.33	67	85474	36.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.58%
41) Toluene-d8	7.57	98	231392	35.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.04%#
43) trans-1,3-Dichloropropene-	7.85	79	36233	34.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.86%
47) 2-Hexanone-d5	8.31	63	69785	76.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	113445	35.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	70.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	103251	38.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.36%#

Target Compounds

						Qvalue
8) Chloroethane	1.48	64	5886	3.614	ug/L #	53
13) Acetone	2.32	43	8231	6.157	ug/L	98
25) Chloroform	4.68	83	2126	0.550	ug/L #	72
27) 1,2-Dichloroethane	5.39	62	17539	5.814	ug/L #	72
31) Carbon tetrachloride	5.14	117	3244	1.183	ug/L	93
33) Benzene	5.39	78	2235970	280.282	ug/L	100
37) 1,2-Dichloropropane	6.33	63	8827	4.028	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2160	0.698	ug/L #	64
51) Chlorobenzene	9.12	112	2615581	477.482	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	12389	4.720	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	47258	12.082	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	972753	225.859	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	845357	195.193	ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	95031	31.397	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	95031	36.435	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	11623	4.047	ug/L	96

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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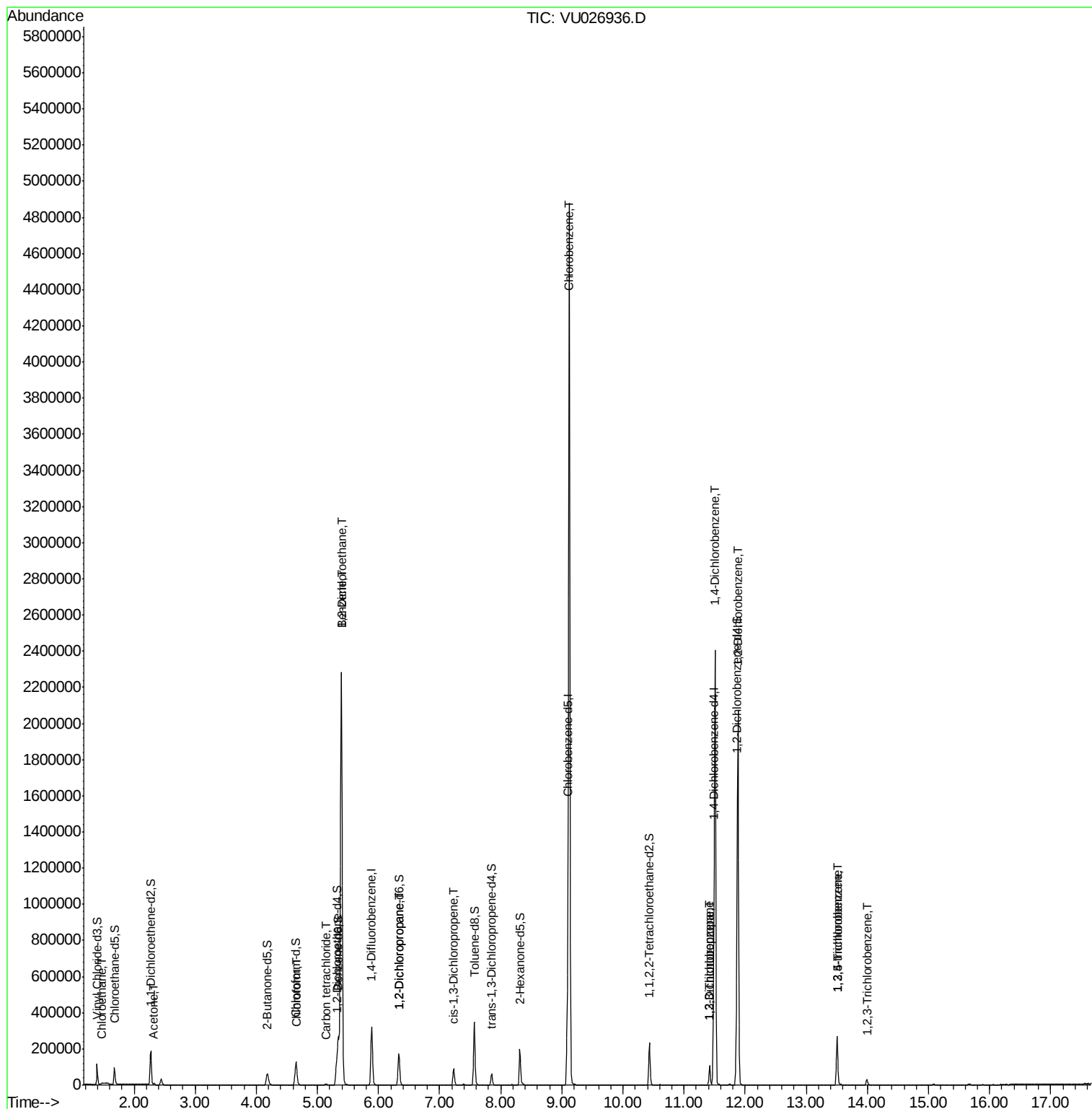
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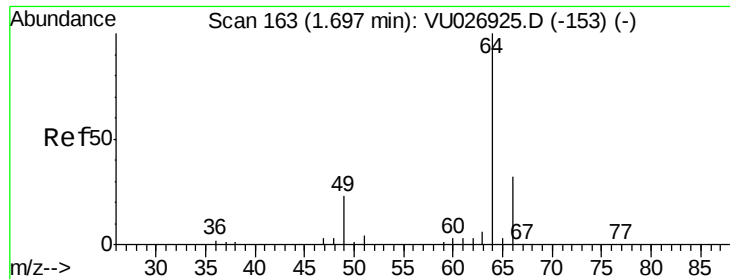
Data File : VU026936.D

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#8

Chloroethane

Concen: 3.614 ug/L

RT: 1.48 min Scan# 95

Delta R.T. -0.22 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

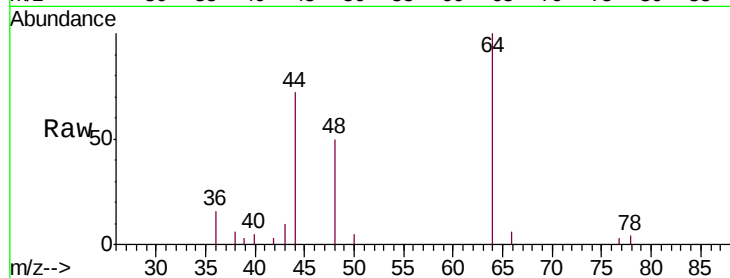
C08N0

Tgt Ion: 64 Resp: 5886

Ion Ratio Lower Upper

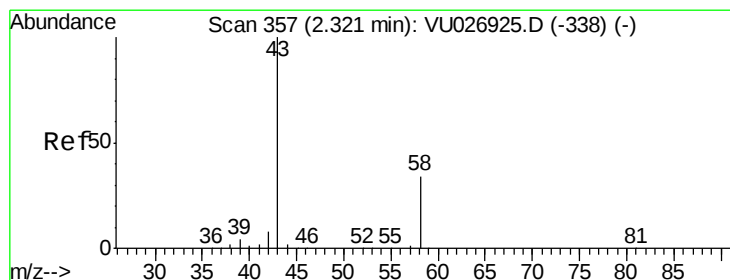
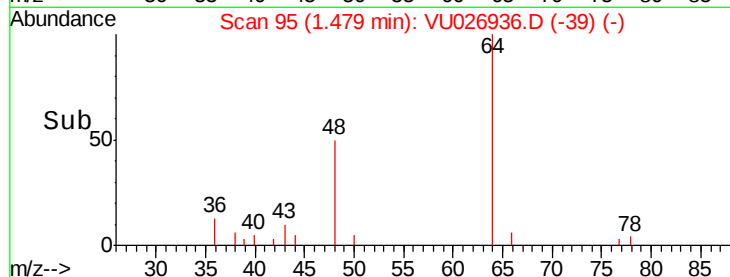
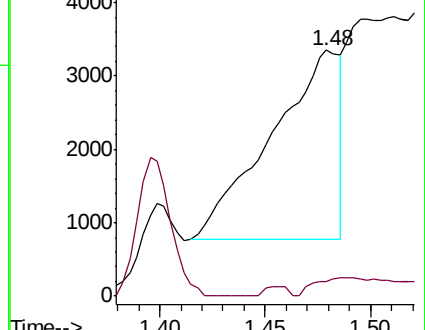
64 100

66 6.2 23.0 42.8#



Abundance Ion 64.00 (63.70 to 64.70): VU026925.D (-153) (-)

Ion 66.00 (65.70 to 66.70): VU026925.D (-153) (-)



#13

Acetone

Concen: 6.157 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026936.D

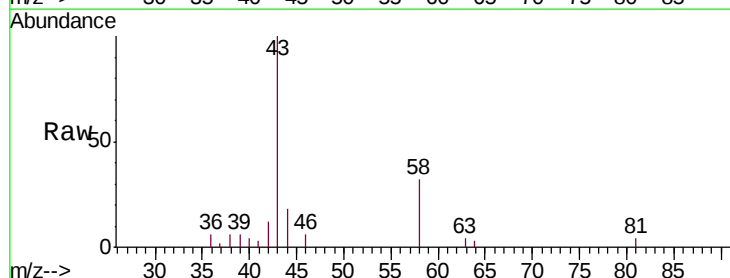
Acq: 20 Sep 2018 14:15

Tgt Ion: 43 Resp: 8231

Ion Ratio Lower Upper

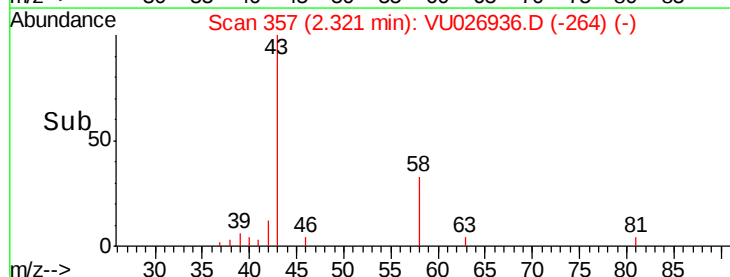
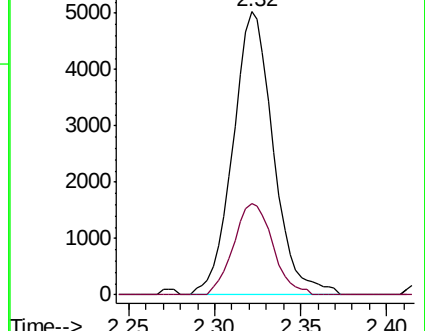
43 100

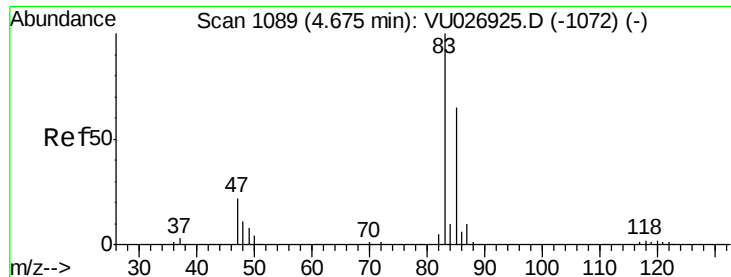
58 31.2 0.0 64.6



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

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

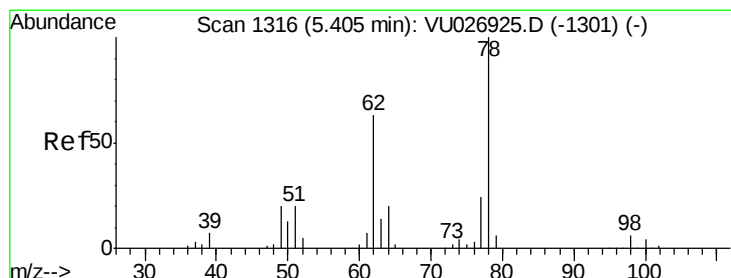
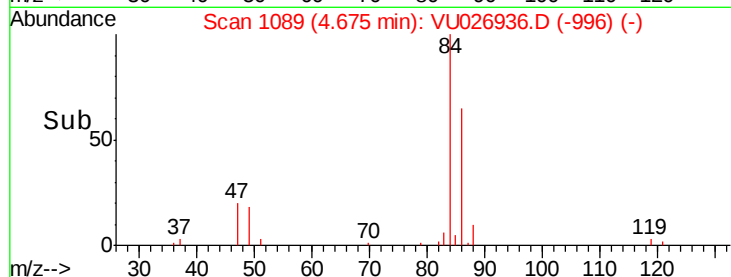
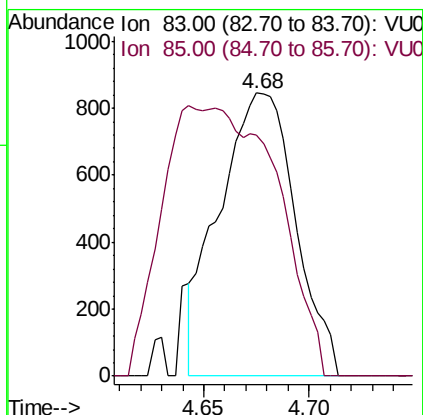
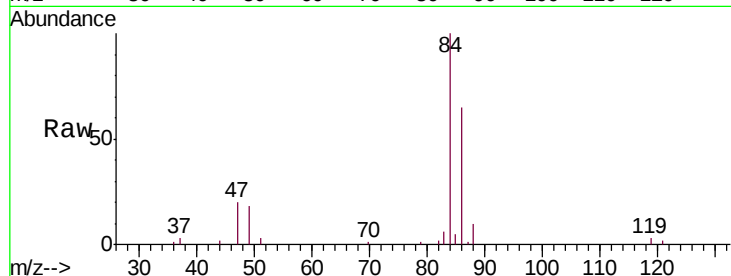




#25
Chloroform
Concen: 0.550 ug/L
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026936.D
Acq: 20 Sep 2018 14:15

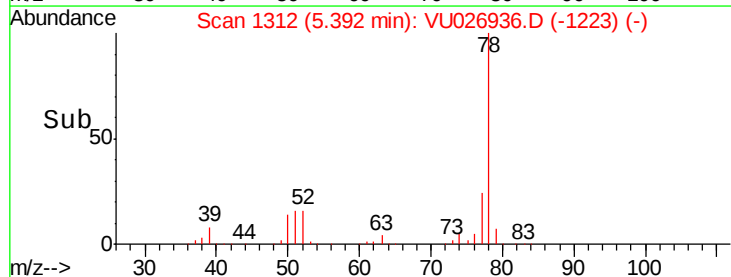
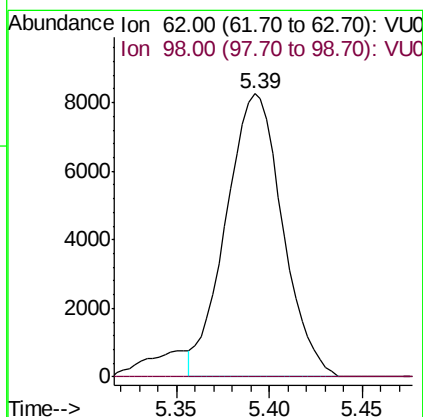
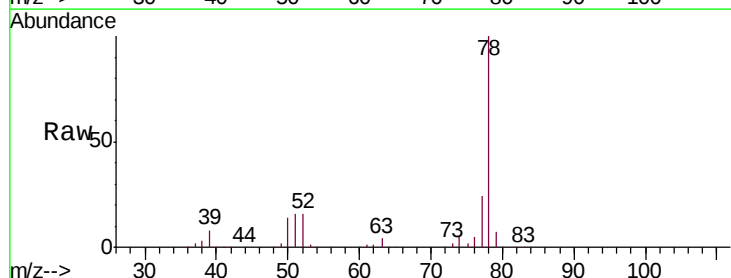
Instrument :
MSVOA_U
ClientSampleId :
C08N0

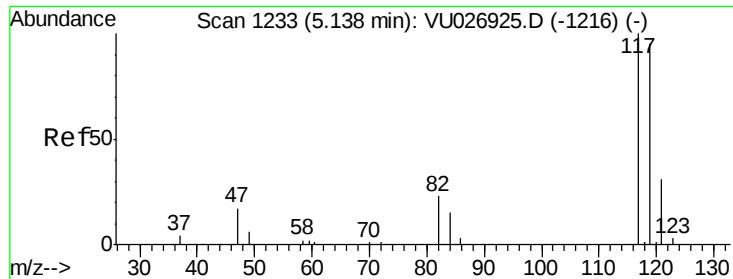
Tgt Ion: 83 Resp: 2126
Ion Ratio Lower Upper
83 100
85 85.1 44.4 82.5#



#27
1,2-Dichloroethane
Concen: 5.814 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.01 min
Lab File: VU026936.D
Acq: 20 Sep 2018 14:15

Tgt Ion: 62 Resp: 17539
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#

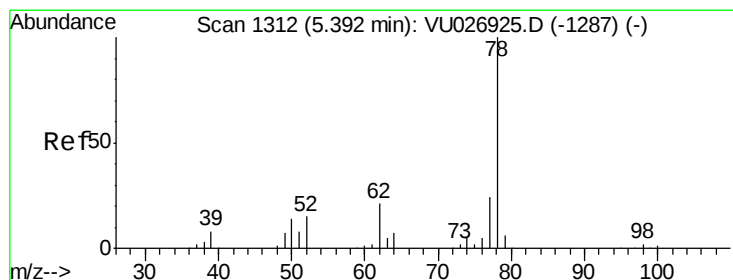
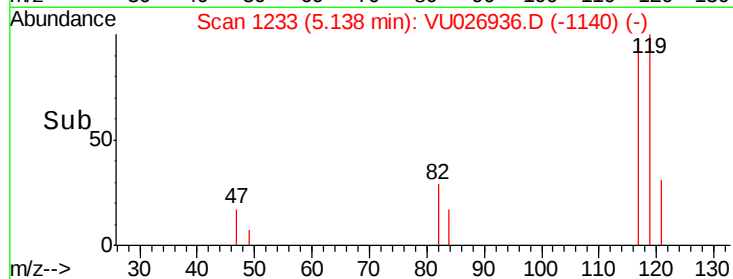
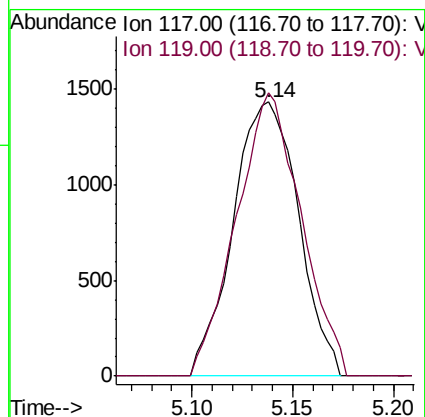
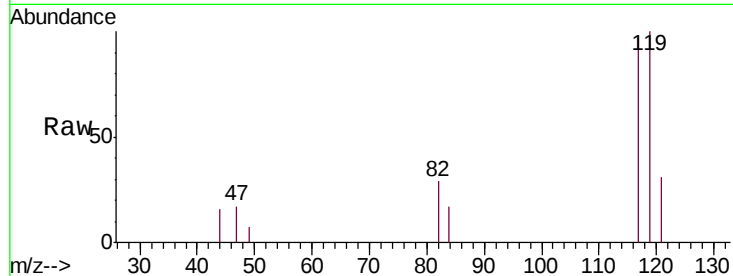




#31
Carbon tetrachloride
Concen: 1.183 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026936.D
Acq: 20 Sep 2018 14:15

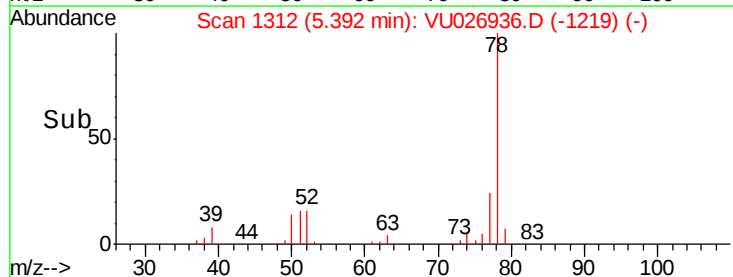
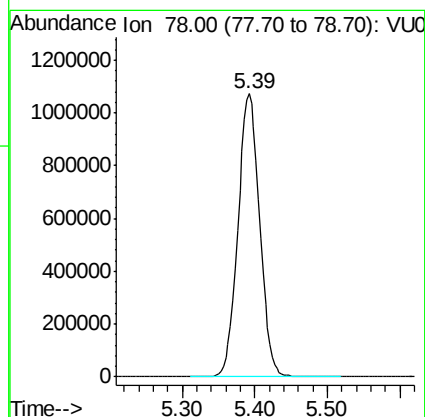
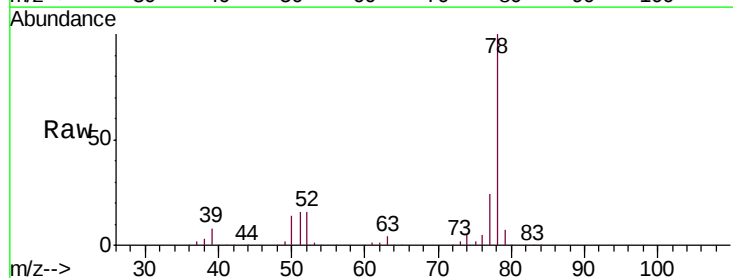
Instrument :
MSVOA_U
ClientSampleId :
C08N0

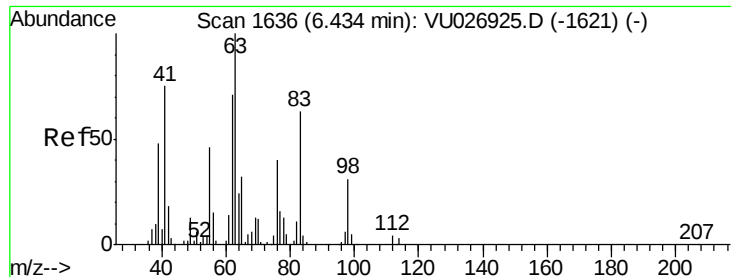
Tgt Ion:117 Resp: 3244
Ion Ratio Lower Upper
117 100
119 102.1 76.3 114.5



#33
Benzene
Concen: 280.282 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026936.D
Acq: 20 Sep 2018 14:15

Tgt Ion: 78 Resp: 2235970

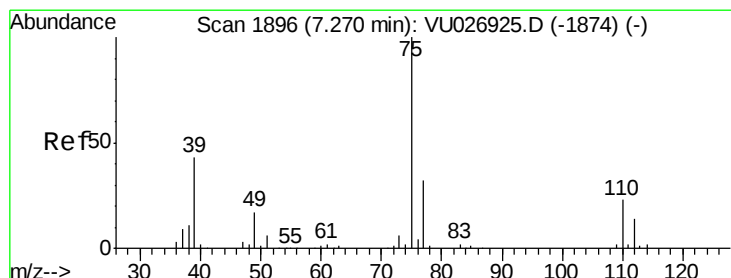
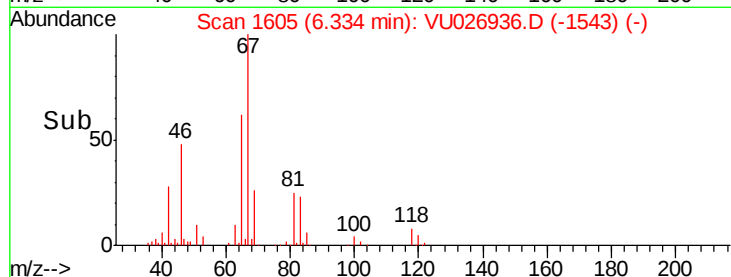
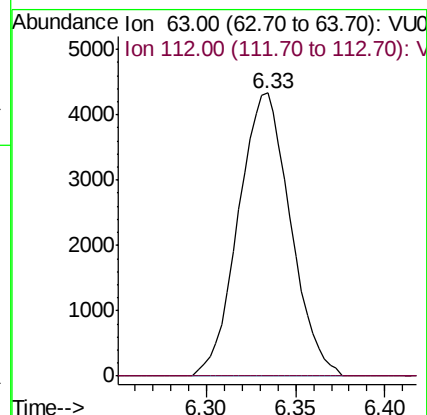
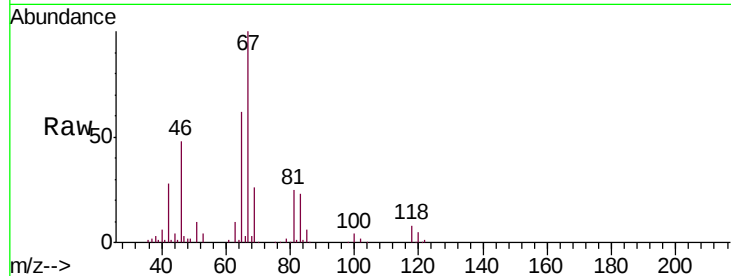




#37
 1,2-Dichloropropane
 Concen: 4.028 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026936.D
 Acq: 20 Sep 2018 14:15

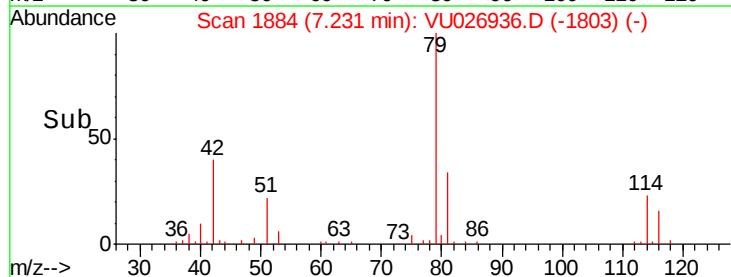
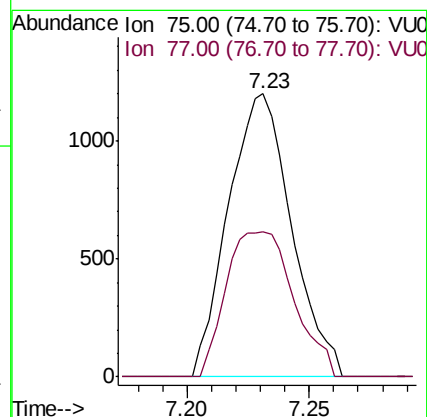
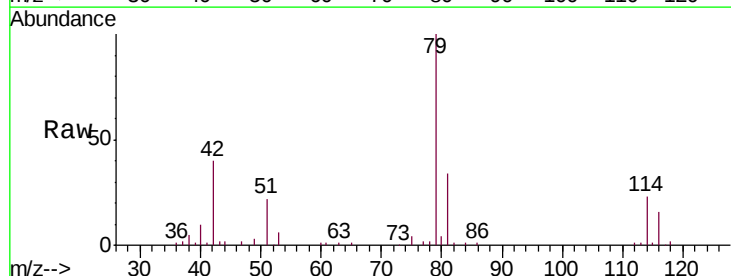
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0

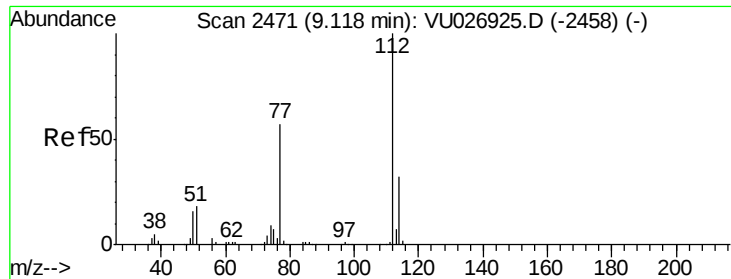
Tgt Ion: 63 Resp: 8827
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.698 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026936.D
 Acq: 20 Sep 2018 14:15

Tgt Ion: 75 Resp: 2160
 Ion Ratio Lower Upper
 75 100
 77 51.5 22.1 41.1#

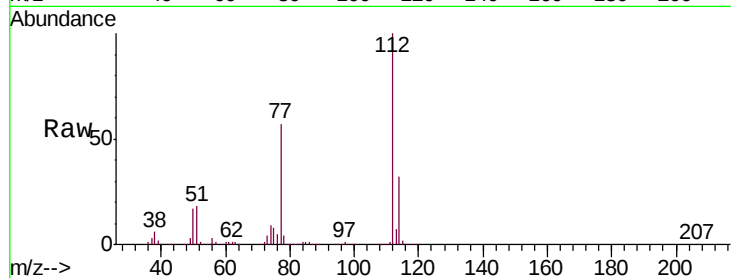




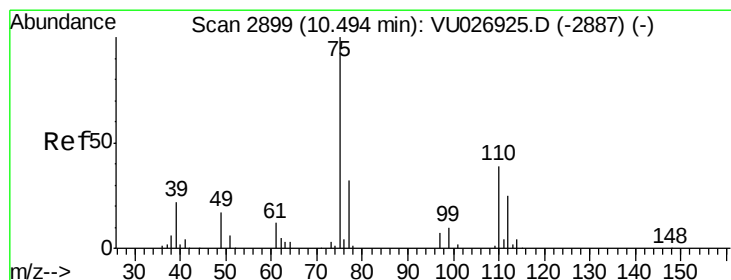
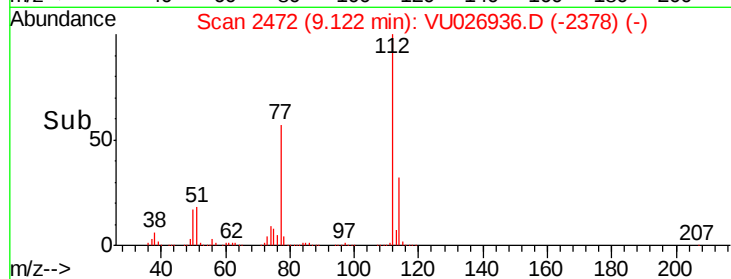
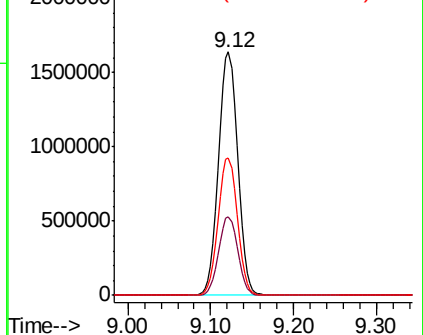
#51
Chlorobenzene
Concen: 477.482 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026936.D
Acq: 20 Sep 2018 14:15

Instrument :
MSVOA_U
ClientSampleId :
C08N0

Tgt Ion:112 Resp: 2615581
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 56.6 45.1 67.7

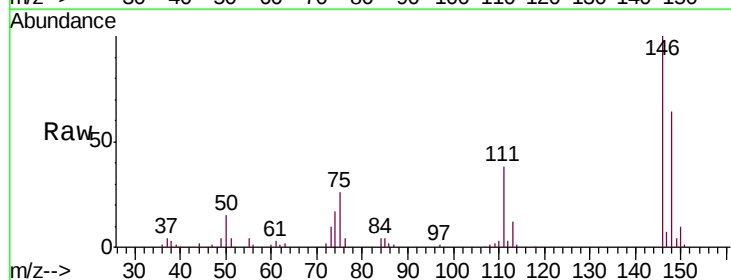


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

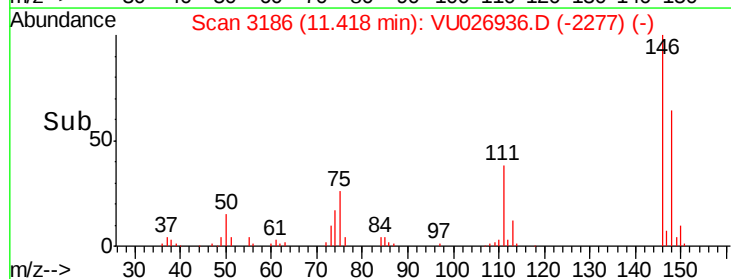
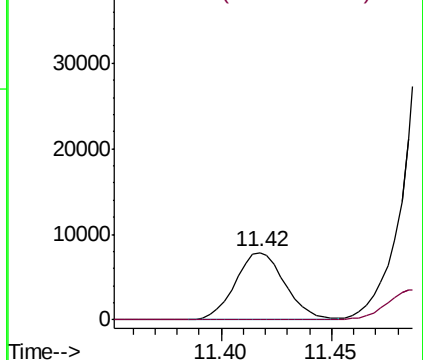


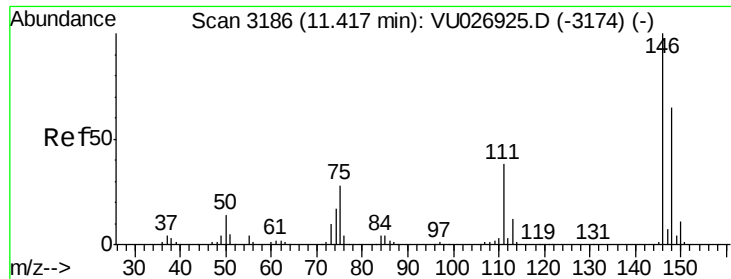
#59
1,2,3-Trichloropropane
Concen: 4.720 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.92 min
Lab File: VU026936.D
Acq: 20 Sep 2018 14:15

Tgt Ion: 75 Resp: 12389
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



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





#62

1,3-Dichlorobenzene

Concen: 12.082 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

C08N0

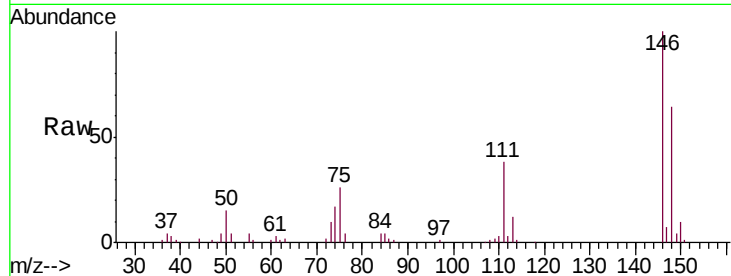
Tgt Ion:146 Resp: 47258

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

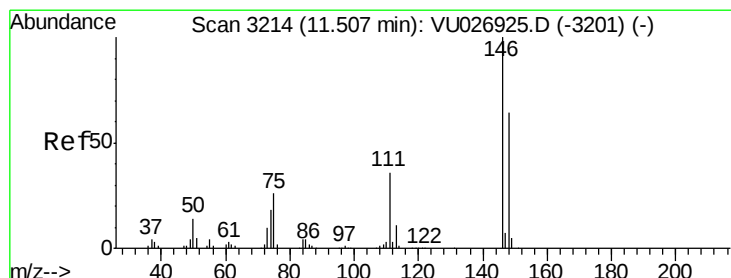
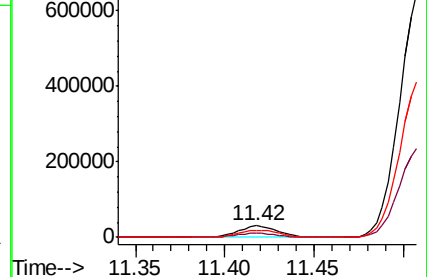
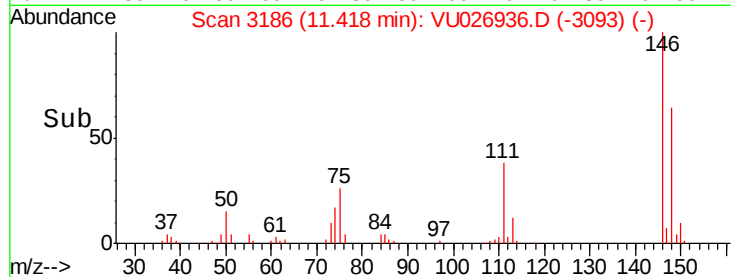
148 63.6 44.9 83.5



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: 225.859 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

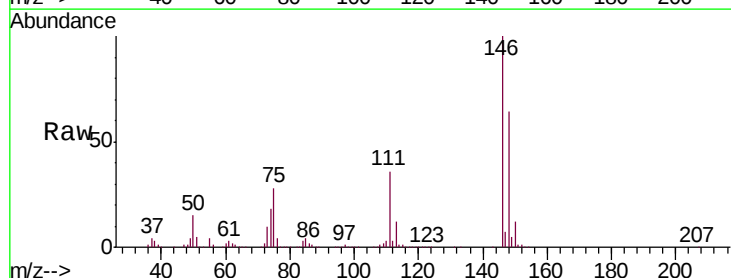
Tgt Ion:146 Resp: 972753

Ion Ratio Lower Upper

146 100

111 36.3 26.0 48.2

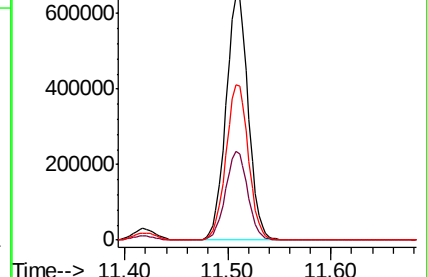
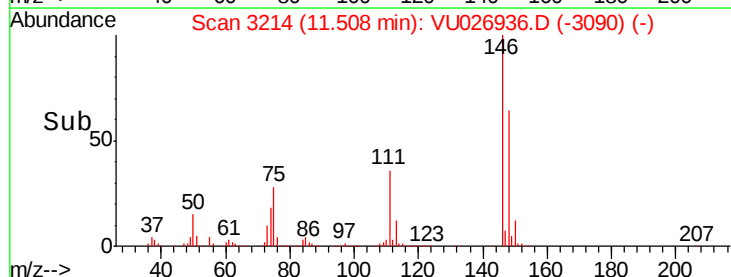
148 63.8 45.8 85.2

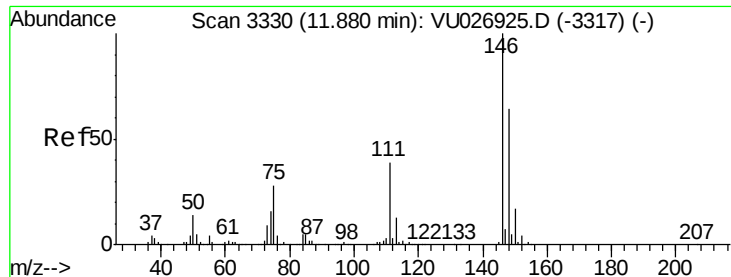


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 195.193 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

C08N0

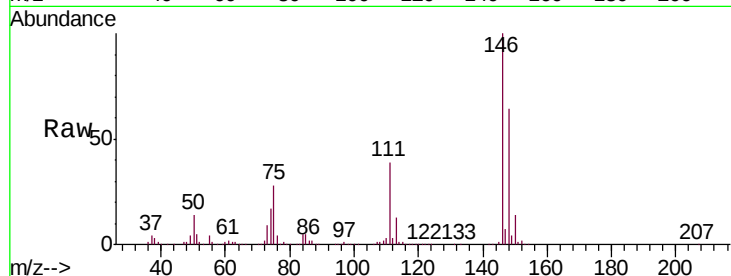
Tgt Ion:146 Resp: 845357

Ion Ratio Lower Upper

146 100

111 39.1 31.4 47.0

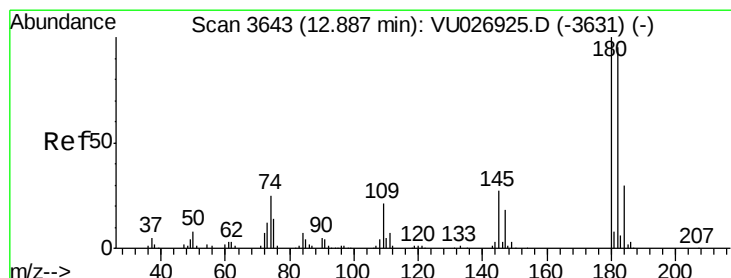
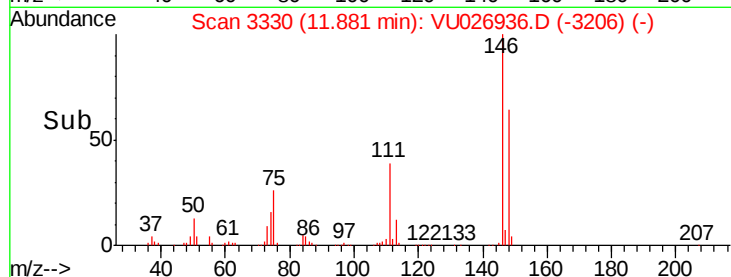
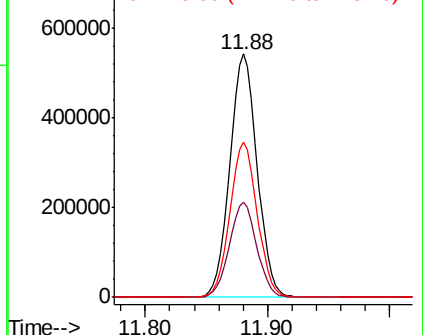
148 63.9 51.4 77.2



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



#67

1,3,5-Trichlorobenzene

Concen: 31.397 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.62 min

Lab File: VU026936.D

Acq: 20 Sep 2018 14:15

Tgt Ion:180 Resp: 95031

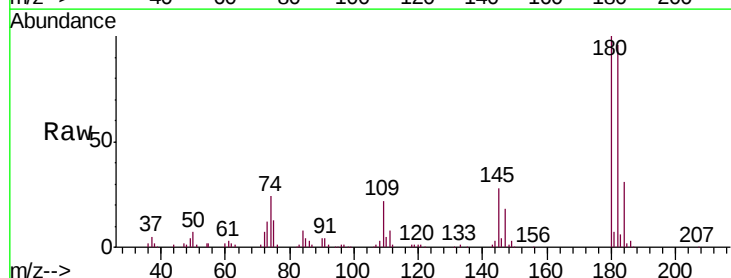
Ion Ratio Lower Upper

180 100

182 96.0 76.7 115.1

184 30.1 24.2 36.4

145 27.0 21.8 32.6

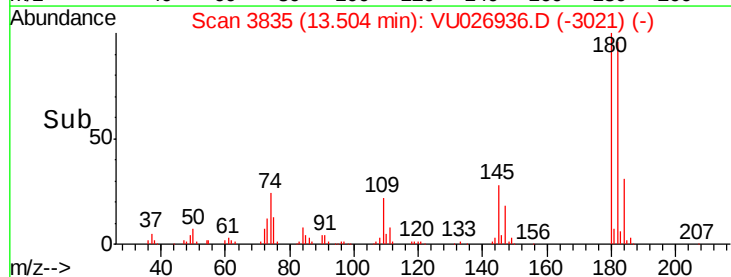
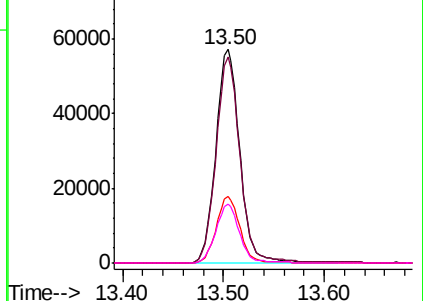


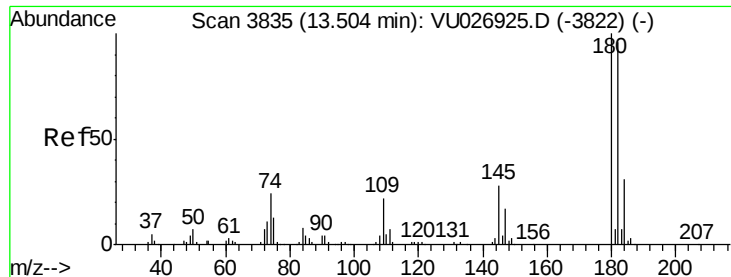
Abundance Ion 180.00 (179.70 to 180.70): V

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

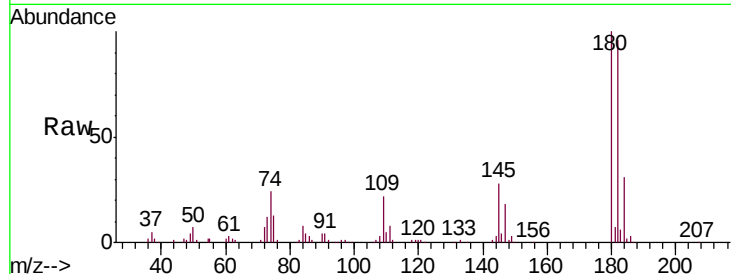




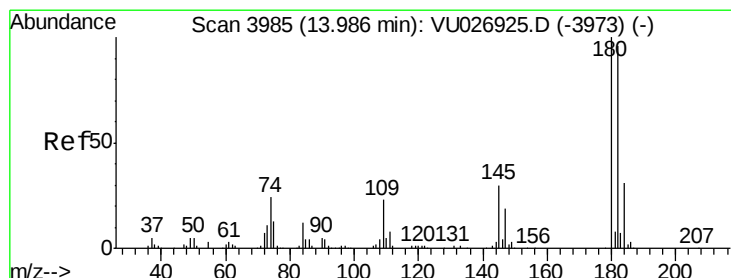
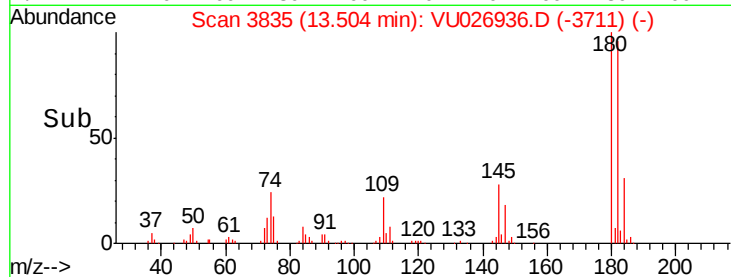
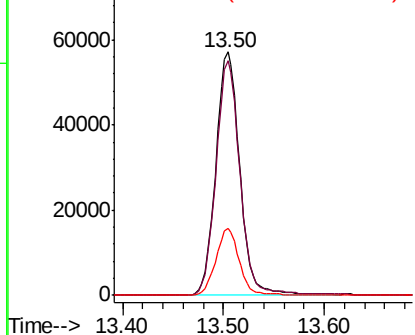
#68
 1,2,4-trichlorobenzene
 Concen: 36.435 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026936.D
 Acq: 20 Sep 2018 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0

Tgt Ion:180 Resp: 95031
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 145 27.0 22.2 33.2

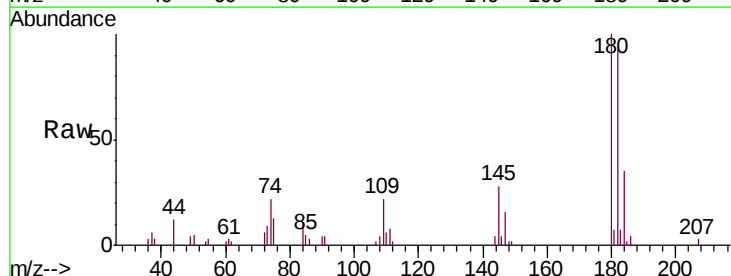


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 4.047 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026936.D
 Acq: 20 Sep 2018 14:15

Tgt Ion:180 Resp: 11623
 Ion Ratio Lower Upper
 180 100
 182 99.3 75.6 113.4
 145 29.3 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

