

Data File : VU026868.D
Acq On : 18 Sep 2018 17:34
Operator : MD/SY
Sample : J4896-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08M5

Quant Time: Sep 19 05:09:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	149179	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	149956	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	75694	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56140	50.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.74%
7) Chloroethane-d5	1.68	69	53741	56.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.80%
11) 1,1-Dichloroethene-d2	2.27	63	83873	40.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.34%
21) 2-Butanone-d5	4.18	46	115548	157.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	157.78%#
24) Chloroform-d	4.65	84	126000	61.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.10%
26) 1,2-Dichloroethane-d4	5.31	65	83618	64.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	129.74%#
32) Benzene-d6	5.34	84	242088	57.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.22%
36) 1,2-Dichloropropane-d6	6.33	67	84268	62.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	124.46%#
41) Toluene-d8	7.57	98	197712	52.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.14%
43) trans-1,3-Dichloropropene-	7.85	79	34372	56.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.70%
47) 2-Hexanone-d5	8.31	63	76544	143.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	143.83%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	122274	64.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	129.52%#
64) 1,2-Dichlorobenzene-d4	11.86	152	93361	59.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.58%

Target Compounds

					Qvalue
8) Chloroethane	1.50	64	5695	6.493 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	731	0.710 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	662	0.684 ug/L #	1
13) Acetone	2.32	43	5443	7.562 ug/L	95
33) Benzene	5.39	78	30013	6.456 ug/L	100
35) Methylcyclohexane	6.33	83	19014	10.455 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	8662	6.782 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	1962	1.088 ug/L #	50
40) 4-Methyl-2-pentanone	7.40	43	1079	0.711 ug/L #	43
42) Toluene	7.64	91	10028	2.131 ug/L	95
44) trans-1,3-Dichloropropene	7.85	75	1421	0.841 ug/L #	79
51) Chlorobenzene	9.12	112	2372060	743.029 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	247407	107.219 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	157613	62.031 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	26078	10.207 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	61094	34.214 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	61094	39.704 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091818\
Quantitation Report (Not Reviewed)

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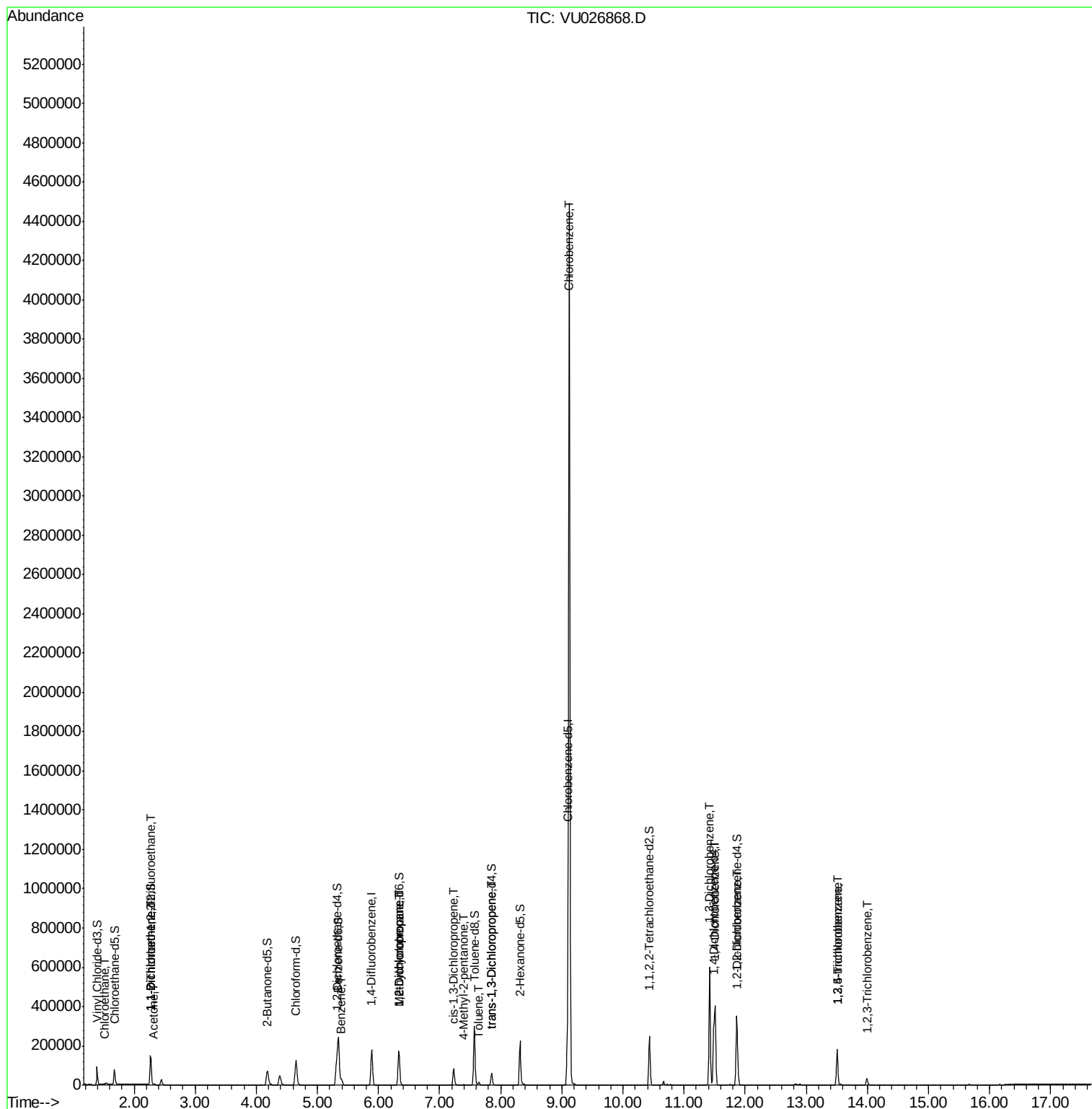
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	12940	7.636	ug/L	97

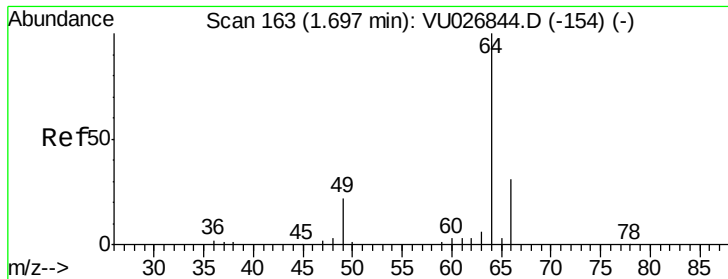
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 6.493 ug/L

RT: 1.50 min Scan# 102

Delta R.T. -0.20 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

Instrument :

MSVOA_U

ClientSampleID :

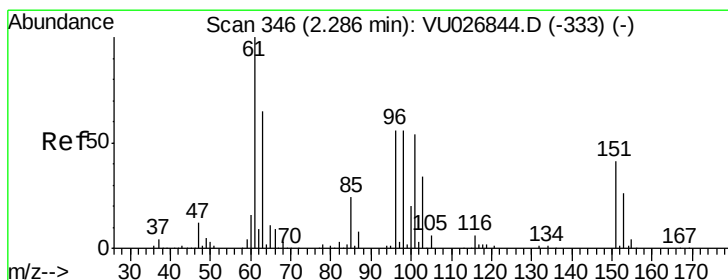
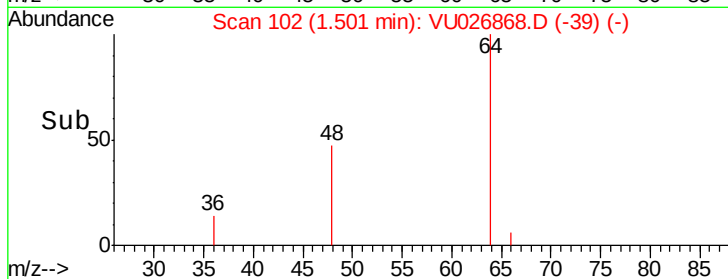
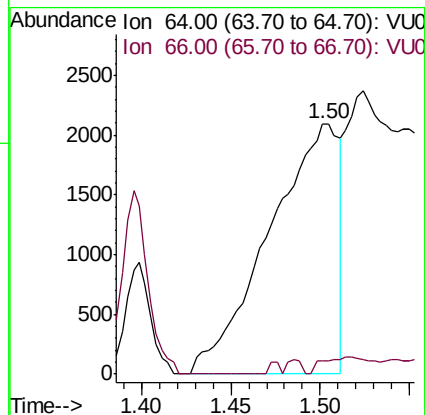
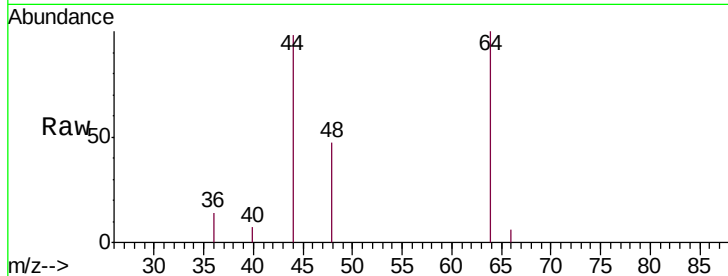
C08M5

Tgt Ion: 64 Resp: 5695

Ion Ratio Lower Upper

64 100

66 5.5 23.0 42.8#



#10

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

Concen: 0.710 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

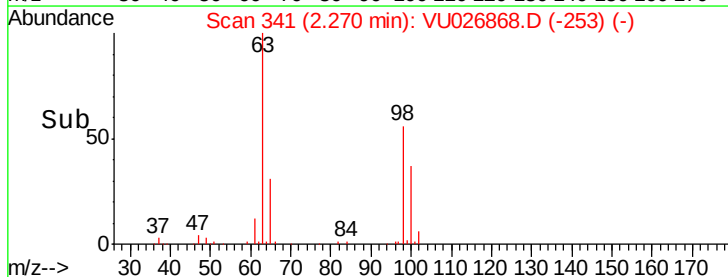
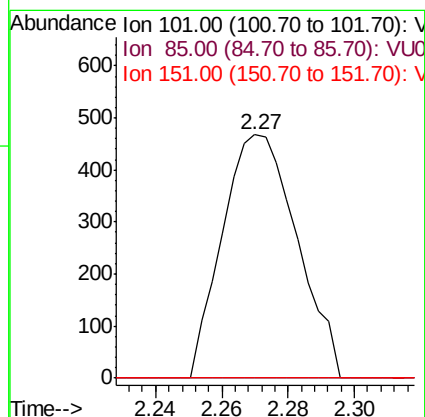
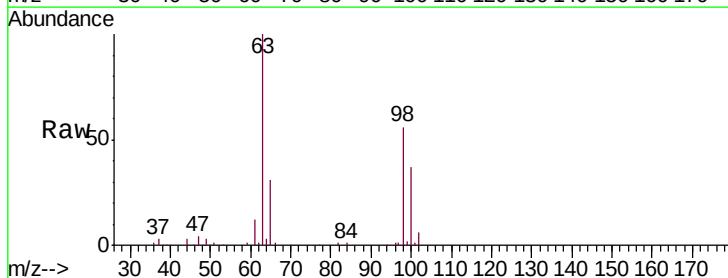
Tgt Ion: 101 Resp: 731

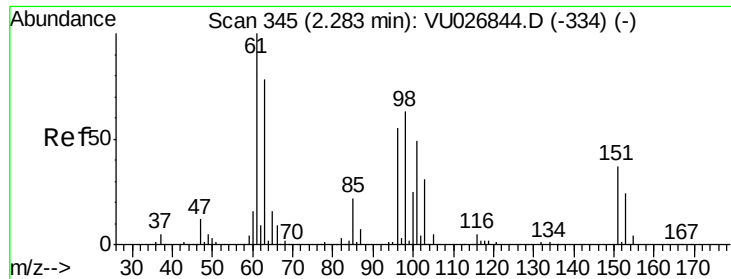
Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 63.0 94.4#

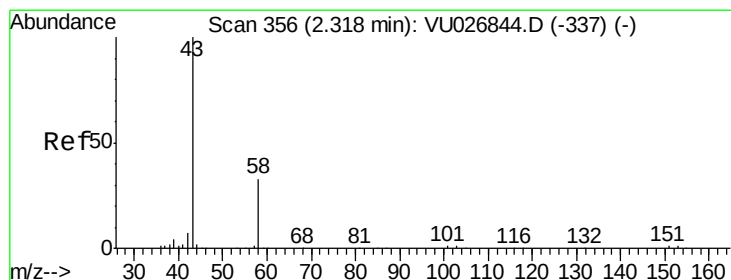
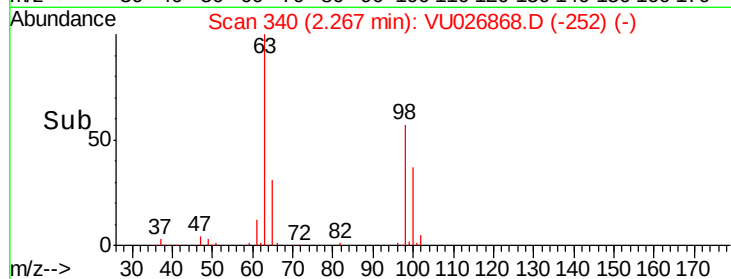
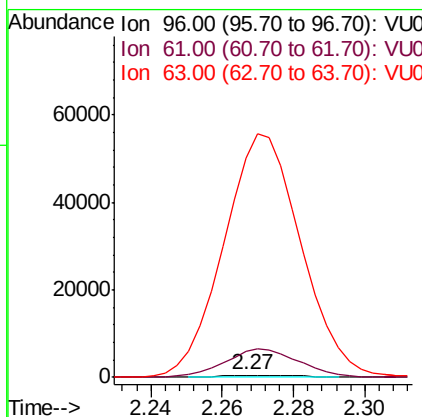
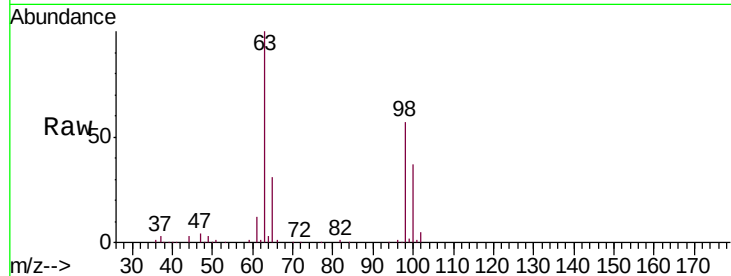




#12
 1,1-Dichloroethene
 Concen: 0.684 ug/L
 RT: 2.27 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: VU026868.D
 Acq: 18 Sep 2018 17:34

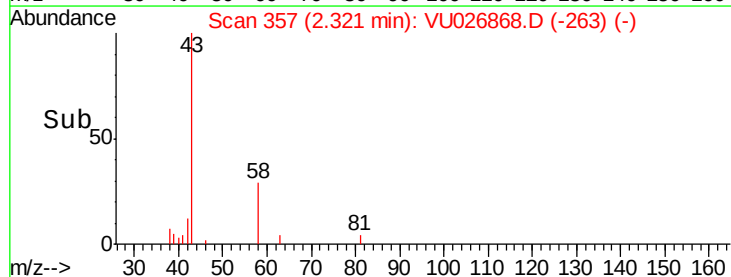
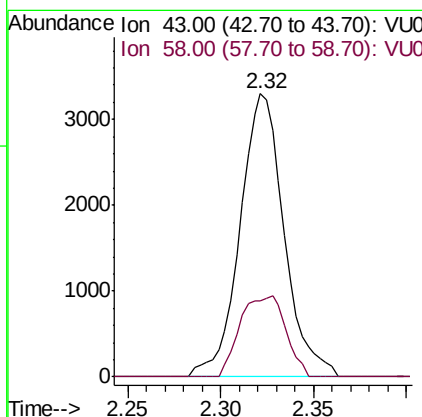
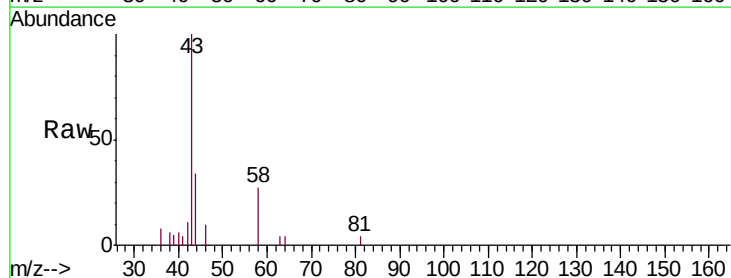
Instrument :
 MSVOA_U
 ClientSampleId :
 C08M5

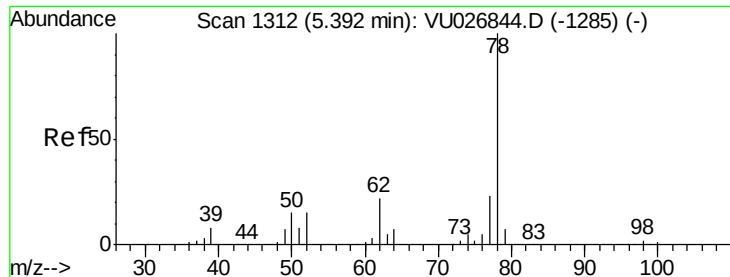
Tgt Ion: 96 Resp: 662
 Ion Ratio Lower Upper
 96 100
 61 1394.0 124.0 230.4#
 63 11971.4 97.7 181.5#



#13
 Acetone
 Concen: 7.562 ug/L
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026868.D
 Acq: 18 Sep 2018 17:34

Tgt Ion: 43 Resp: 5443
 Ion Ratio Lower Upper
 43 100
 58 29.6 0.0 64.6





#33

Benzene

Concen: 6.456 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

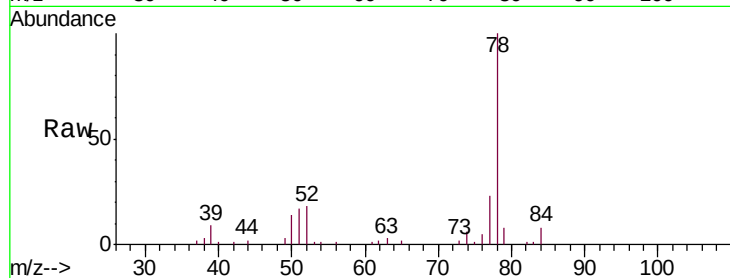
Instrument :

MSVOA_U

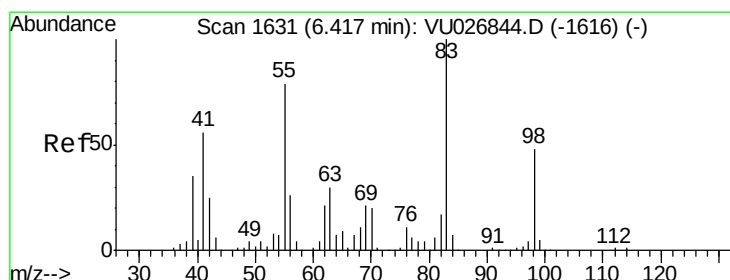
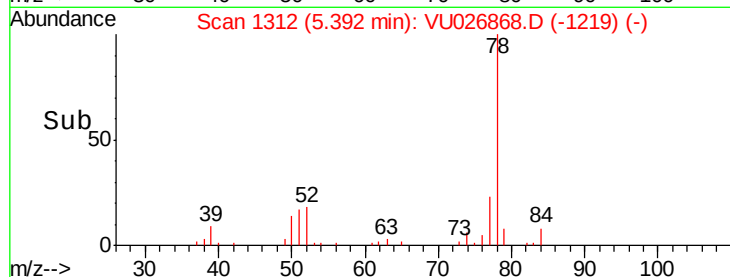
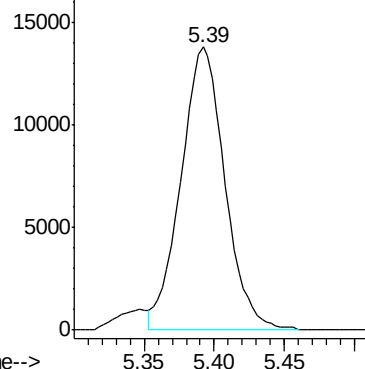
ClientSampled :

C08M5

Tgt Ion: 78 Resp: 30013



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 10.455 ug/L

RT: 6.33 min Scan# 1605

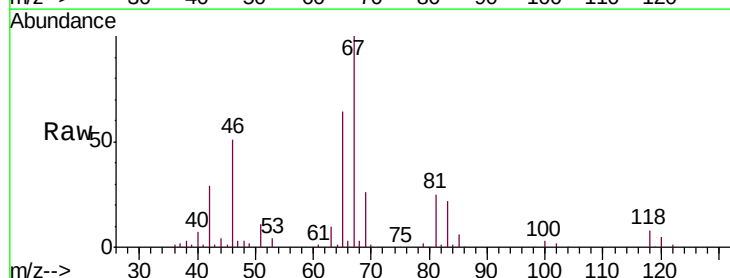
Delta R.T. -0.08 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

Tgt Ion: 83 Resp: 19014

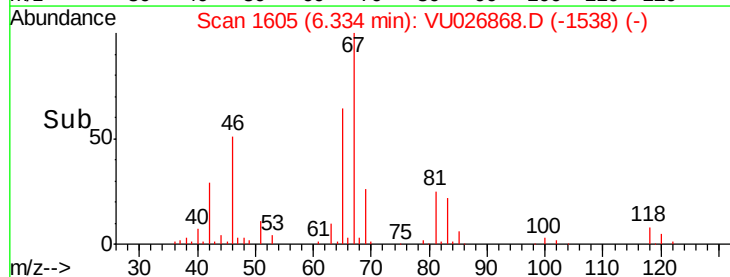
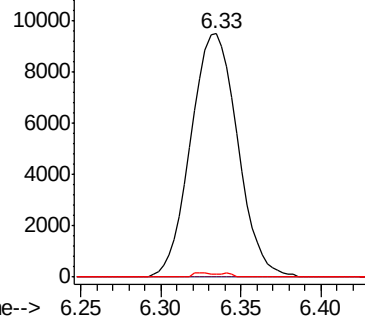
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.7	92.5#
98	0.4	38.3	57.5#

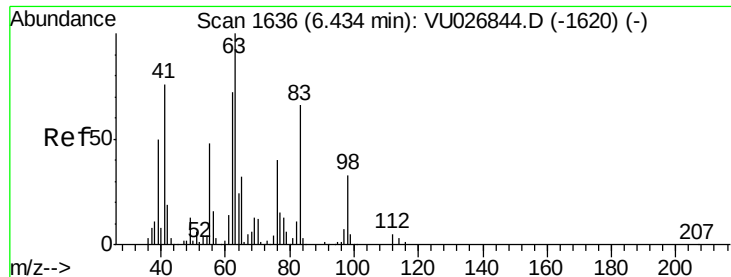


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

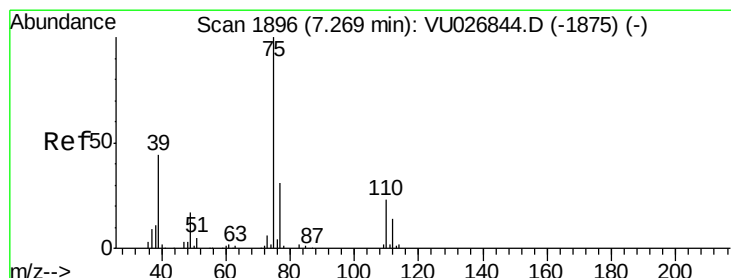
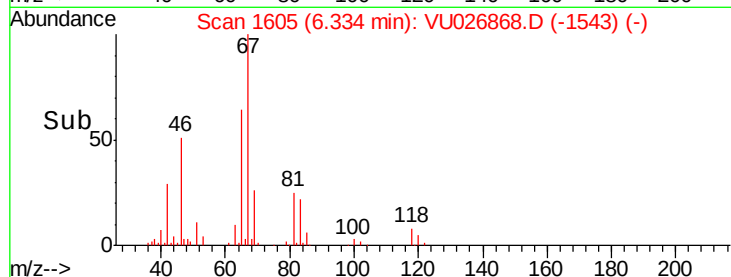
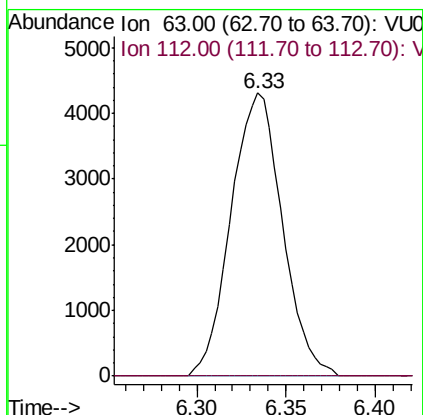
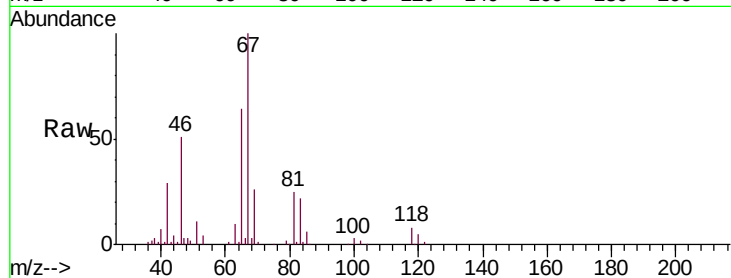




#37
 1,2-Dichloropropane
 Concen: 6.782 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026868.D
 Acq: 18 Sep 2018 17:34

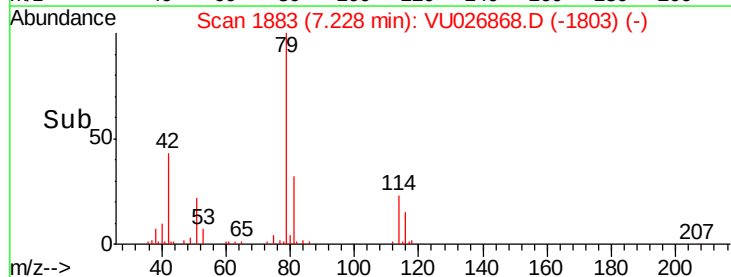
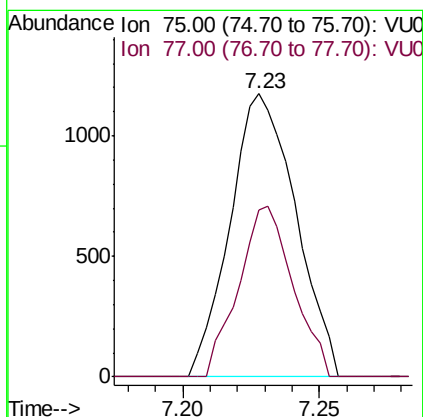
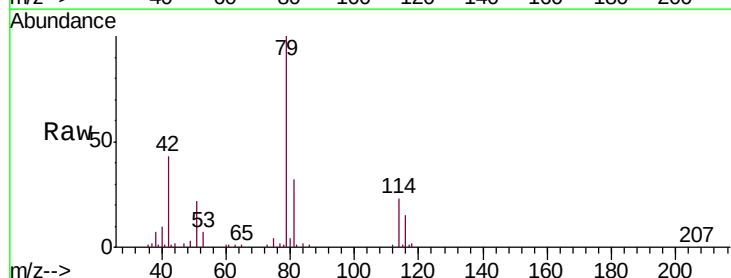
Instrument :
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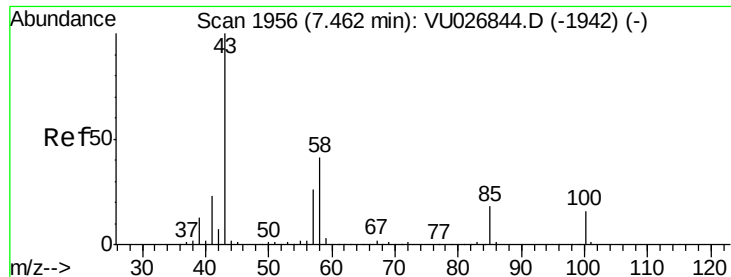
Tgt Ion: 63 Resp: 8662
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 1.088 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026868.D
 Acq: 18 Sep 2018 17:34

Tgt Ion: 75 Resp: 1962
 Ion Ratio Lower Upper
 75 100
 77 59.1 22.1 41.1#

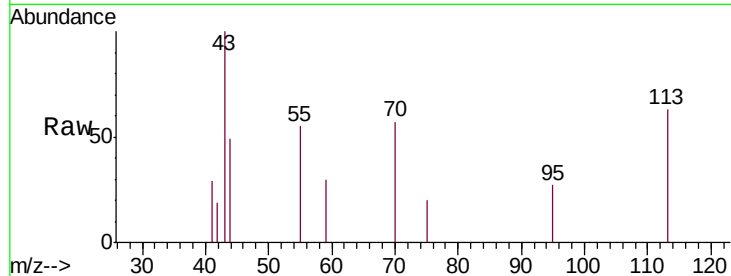




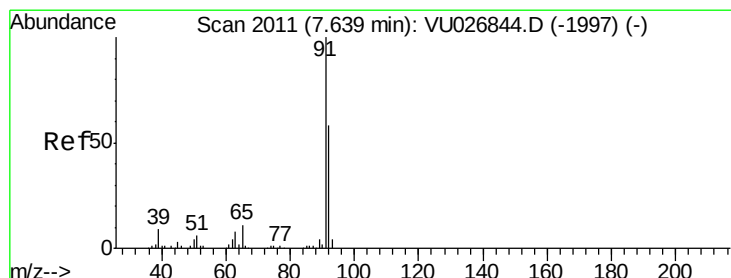
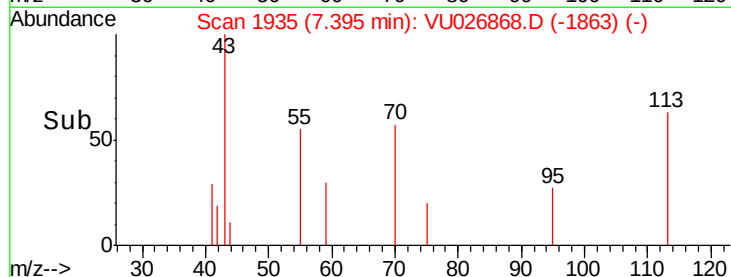
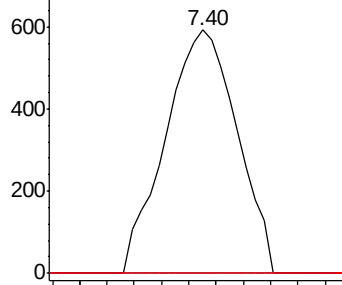
#40
 4-Methyl-2-pentanone
 Concen: 0.711 ug/L
 RT: 7.40 min Scan# 1935
 Delta R.T. -0.07 min
 Lab File: VU026868.D
 Acq: 18 Sep 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleID :
 C08M5

Tgt Ion: 43 Resp: 1079
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.0 48.0#
 100 0.0 12.6 19.0#

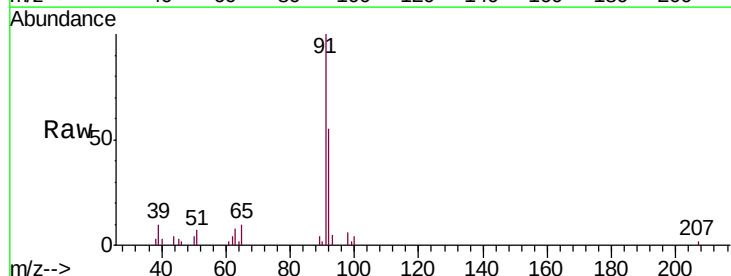


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

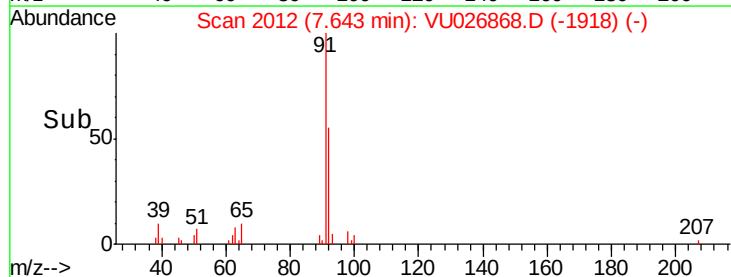
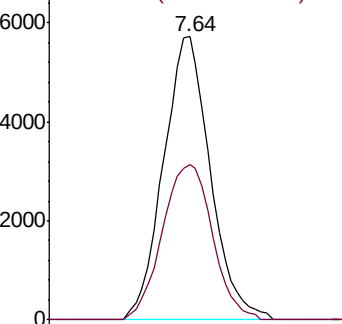


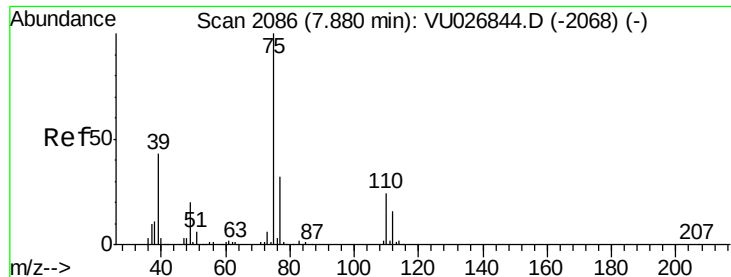
#42
 Toluene
 Concen: 2.131 ug/L
 RT: 7.64 min Scan# 2012
 Delta R.T. 0.00 min
 Lab File: VU026868.D
 Acq: 18 Sep 2018 17:34

Tgt Ion: 91 Resp: 10028
 Ion Ratio Lower Upper
 91 100
 92 55.0 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.841 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

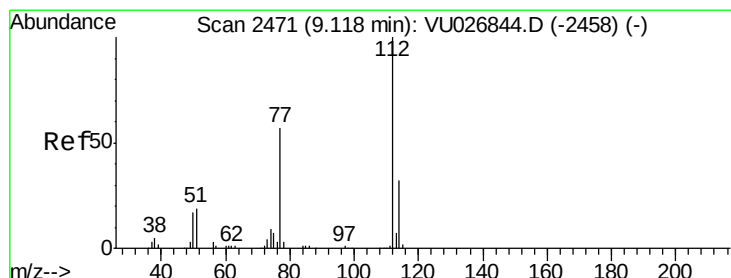
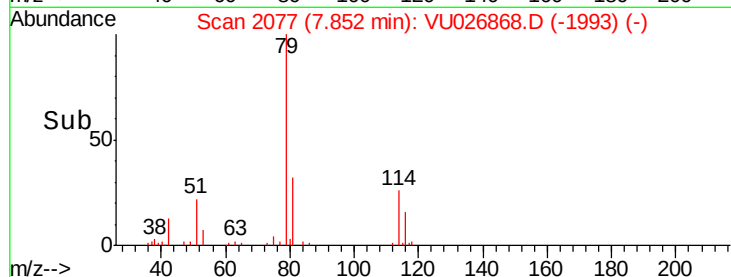
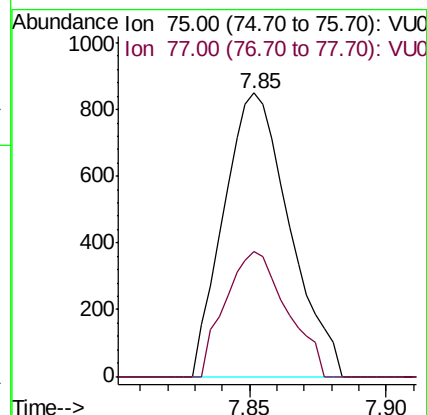
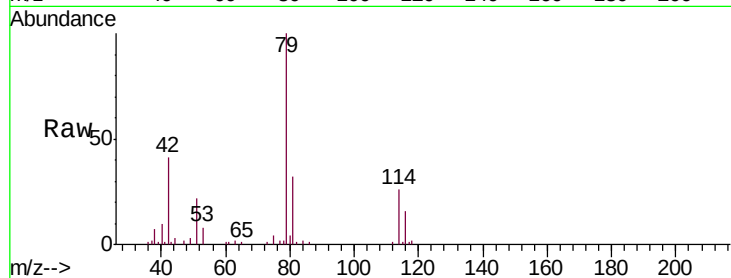
C08M5

Tgt Ion: 75 Resp: 1421

Ion Ratio Lower Upper

75 100

77 44.3 22.8 42.4#



#51

Chlorobenzene

Concen: 743.029 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

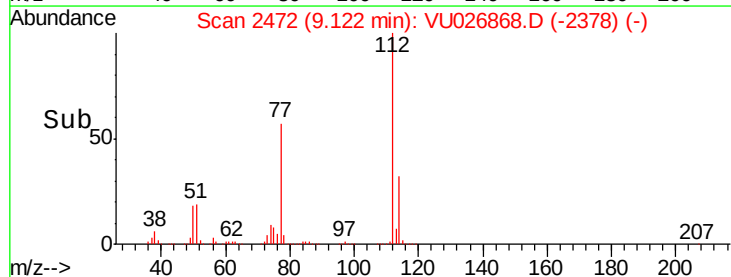
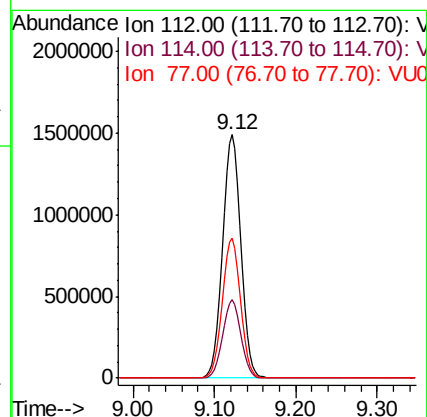
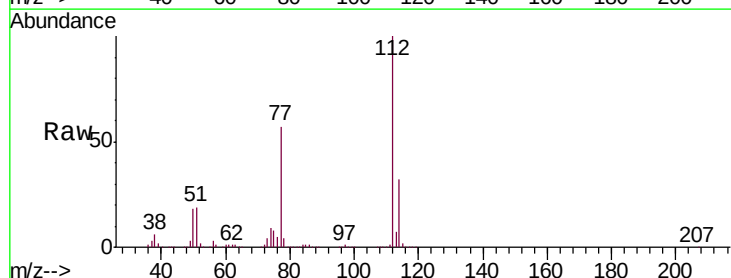
Tgt Ion: 112 Resp: 2372060

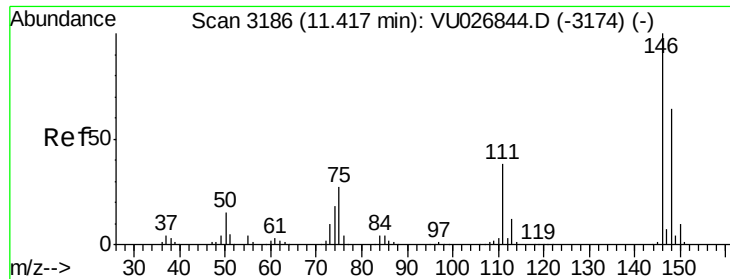
Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.5

77 57.3 45.1 67.7





#62

1,3-Dichlorobenzene

Concen: 107.219 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

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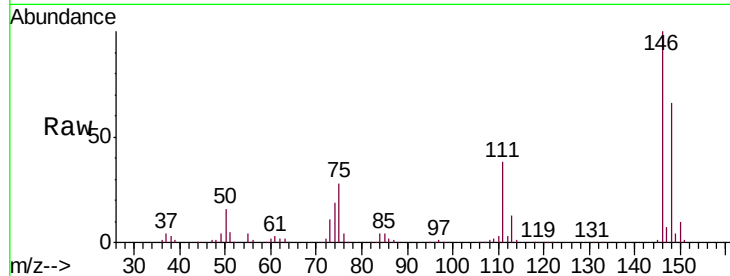
Tgt Ion:146 Resp: 247407

Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.7

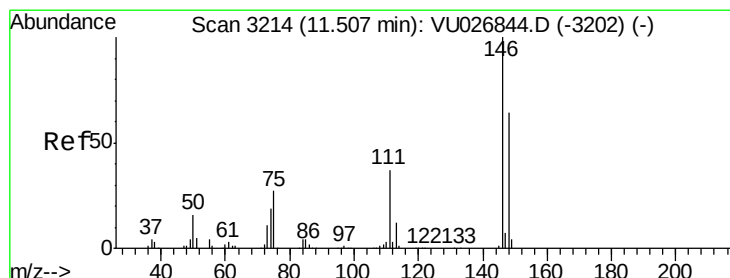
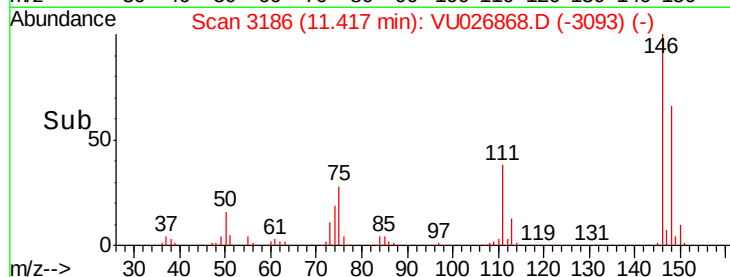
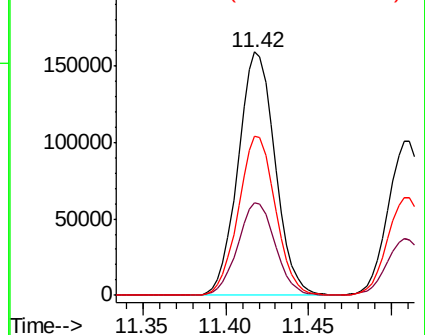
148 65.6 44.9 83.5



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: 62.031 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

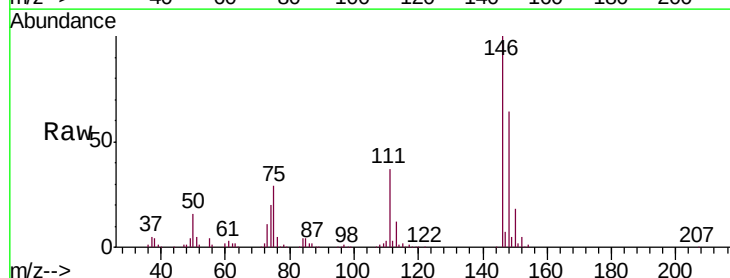
Tgt Ion:146 Resp: 157613

Ion Ratio Lower Upper

146 100

111 36.6 26.0 48.2

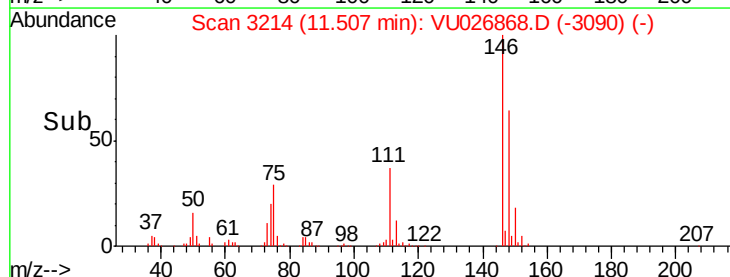
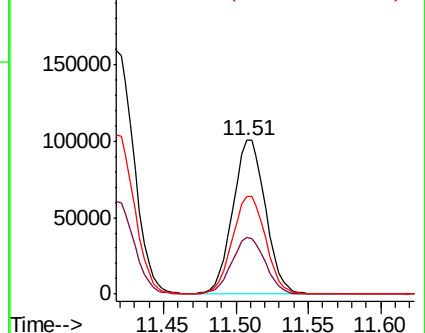
148 63.7 45.8 85.2

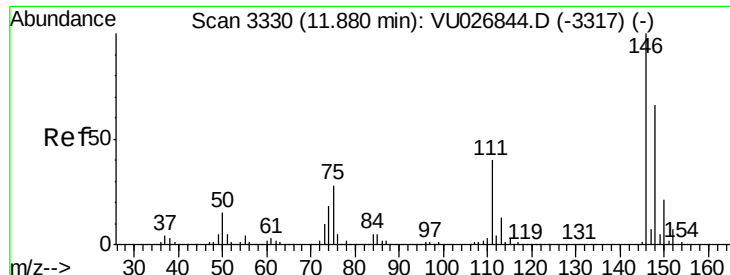


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.207 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

C08M5

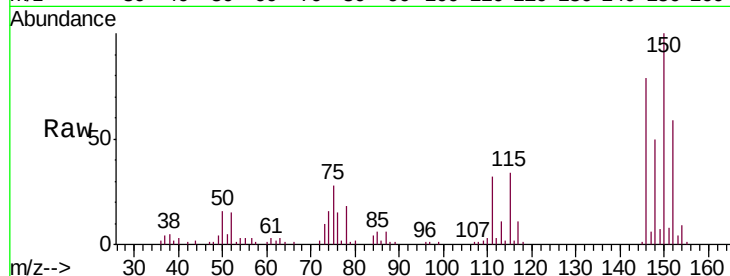
Tgt Ion:146 Resp: 26078

Ion Ratio Lower Upper

146 100

111 40.3 31.4 47.0

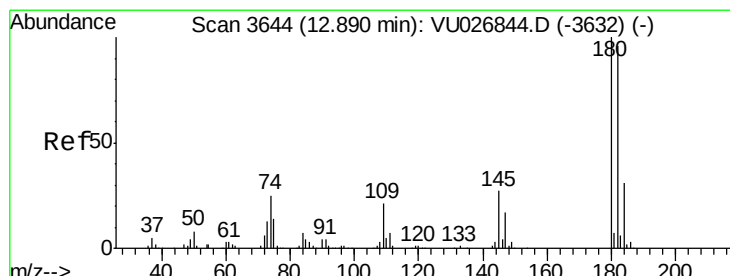
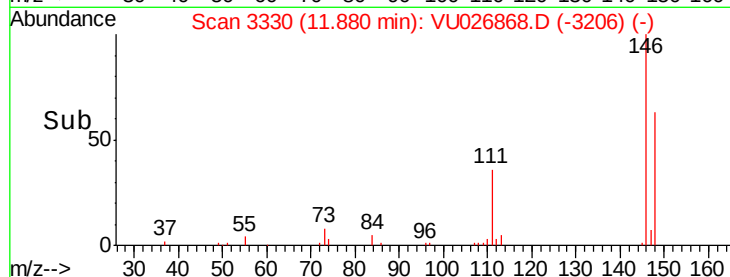
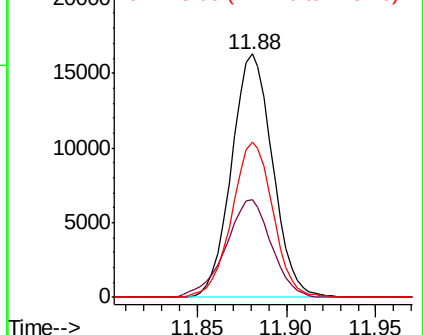
148 63.6 51.4 77.2



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: 34.214 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.61 min

Lab File: VU026868.D

Acq: 18 Sep 2018 17:34

Tgt Ion:180 Resp: 61094

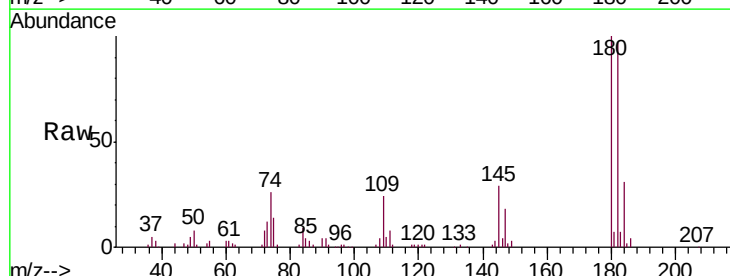
Ion Ratio Lower Upper

180 100

182 97.8 76.7 115.1

184 30.9 24.2 36.4

145 27.5 21.8 32.6

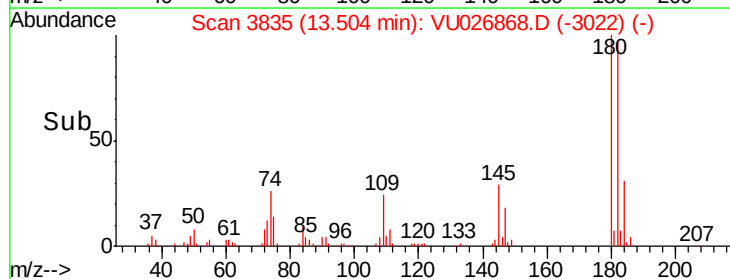
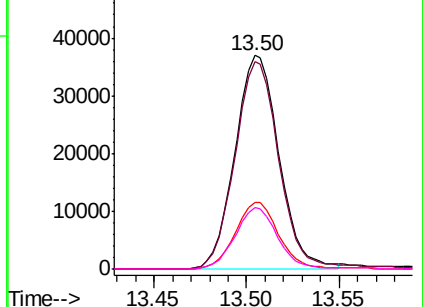


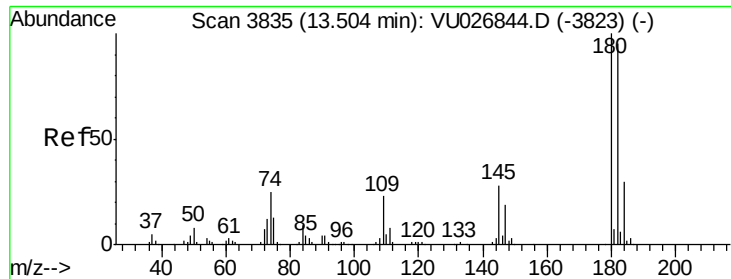
Abundance Ion 180.00 (179.70 to 180.70): V

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

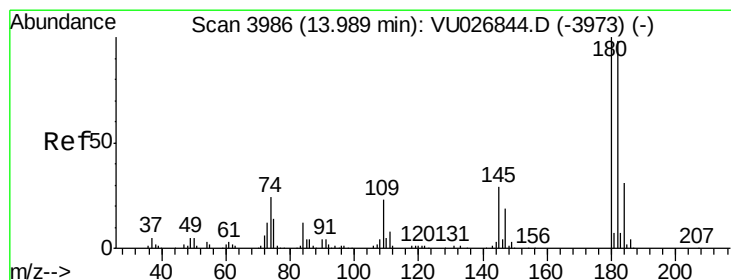
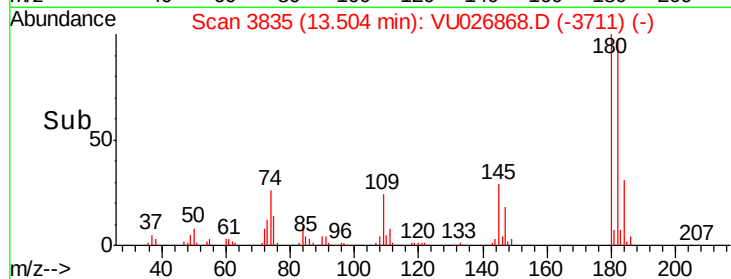
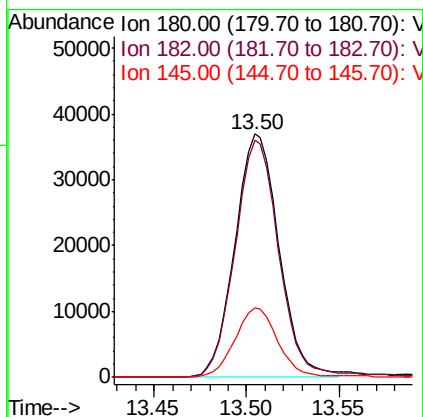
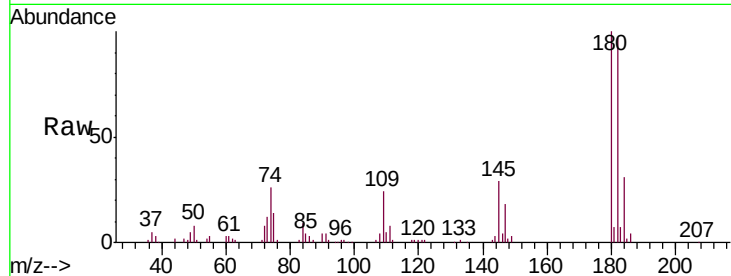




#68
 1,2,4-trichlorobenzene
 Concen: 39.704 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026868.D
 Acq: 18 Sep 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M5

Tgt Ion:180 Resp: 61094
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.8 115.2
 145 27.5 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 7.636 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026868.D
 Acq: 18 Sep 2018 17:34

Tgt Ion:180 Resp: 12940
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.6 113.4
 145 28.1 23.8 35.6

