

Data File : VU026856.D
Acq On : 18 Sep 2018 12:55
Operator : MD/SY
Sample : J4896-06 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K9

Quant Time: Sep 19 05:07:36 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	237170	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	234071	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116478	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78482	44.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.46%
7) Chloroethane-d5	1.68	69	71564	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.32%
11) 1,1-Dichloroethene-d2	2.27	63	118998	35.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.70%
21) 2-Butanone-d5	4.18	46	132621	113.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.91%
24) Chloroform-d	4.65	84	157858	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
26) 1,2-Dichloroethane-d4	5.31	65	105381	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
32) Benzene-d6	5.34	84	325743	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
36) 1,2-Dichloropropane-d6	6.33	67	107690	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.90%
41) Toluene-d8	7.57	98	280770	47.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.76%
43) trans-1,3-Dichloropropene-	7.85	79	44590	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.50%
47) 2-Hexanone-d5	8.31	63	94418	113.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145683	49.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	126323	52.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.26%

Target Compounds

					Qvalue
8) Chloroethane	1.40	64	1178	0.845 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	934	0.570 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1014	0.659 ug/L #	1
13) Acetone	2.32	43	675	0.590 ug/L	89
25) Chloroform	4.67	83	2062	0.623 ug/L #	72
27) 1,2-Dichloroethane	5.40	62	1731	0.670 ug/L #	72
33) Benzene	5.39	78	180902	24.928 ug/L	100
35) Methylcyclohexane	6.33	83	25126	8.851 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	11206	5.621 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2560	0.909 ug/L	84
40) 4-Methyl-2-pentanone	7.57	43	1160	0.490 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1752	0.664 ug/L	97
51) Chlorobenzene	9.12	112	3060548	614.180 ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	39641	16.601 ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	145323	40.927 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	733686	187.649 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	1035690	263.423 ug/L	99

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

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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)
66) 1,2-Dibromo-3-chloropropan	12.64	75	1847	3.097	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.50	180	352756	128.381	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	352756	148.979	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	84590	32.441	ug/L	99

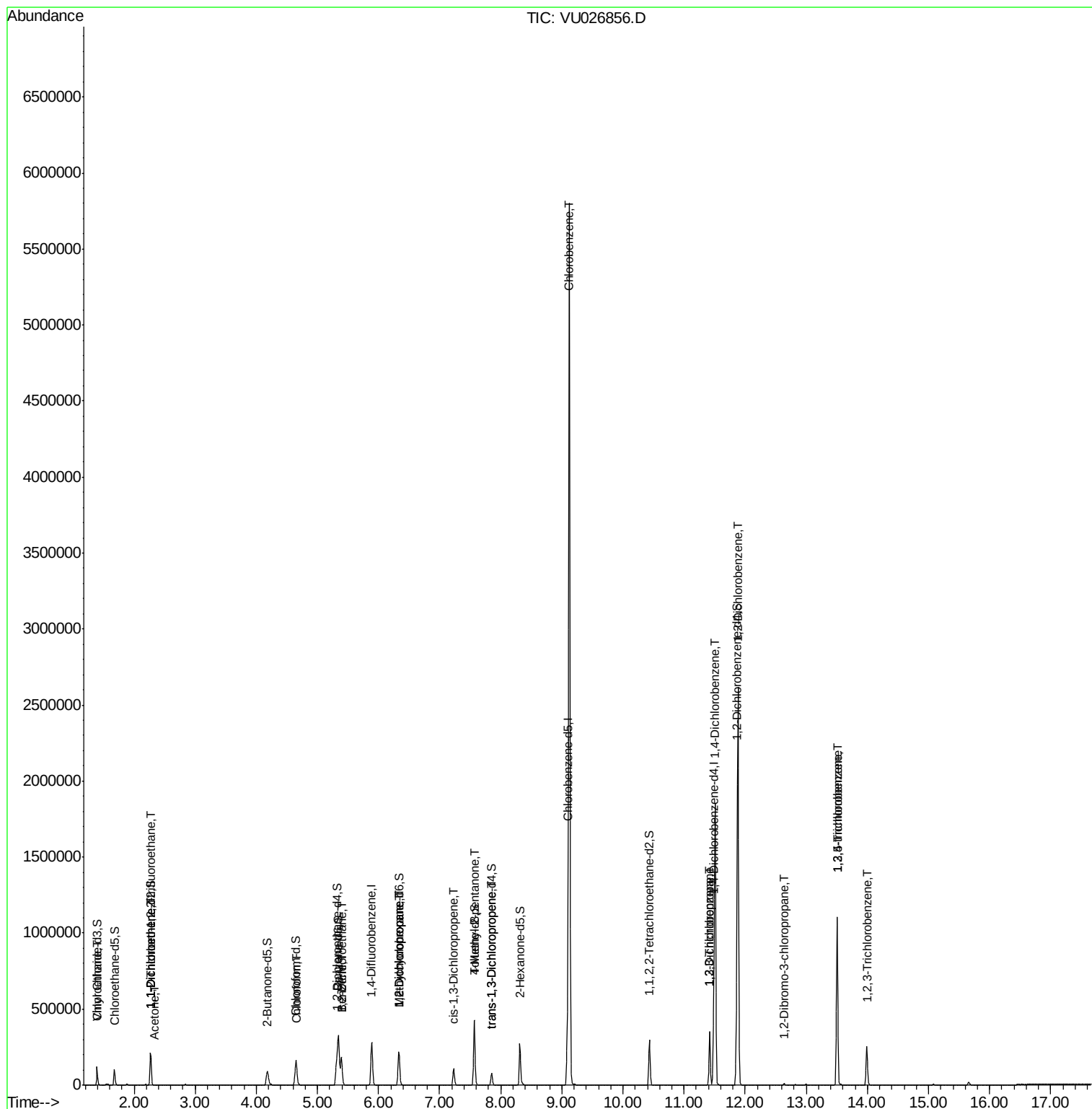
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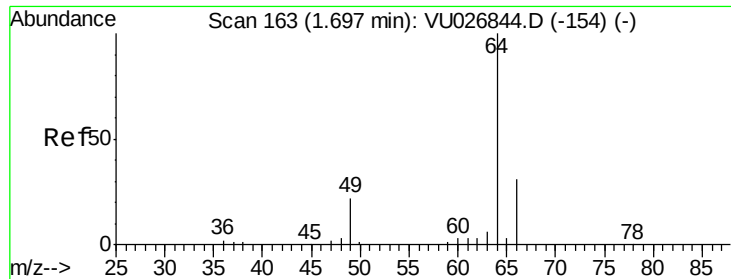
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#8

Chloroethane

Concen: 0.845 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.30 min

Lab File: VU026856.D

Acq: 18 Sep 2018 12:55

Instrument :

MSVOA_U

ClientSampleId :

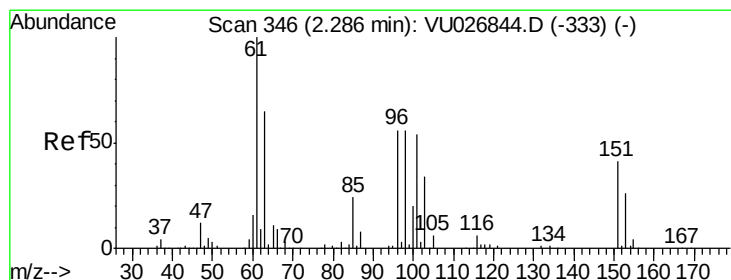
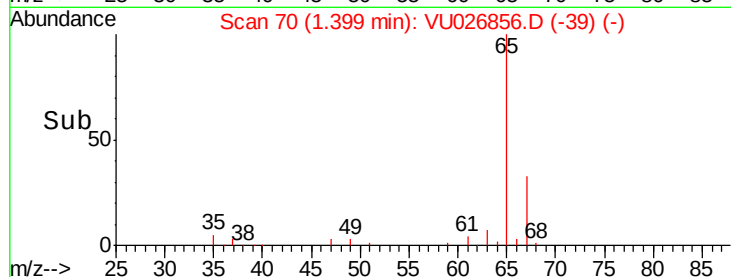
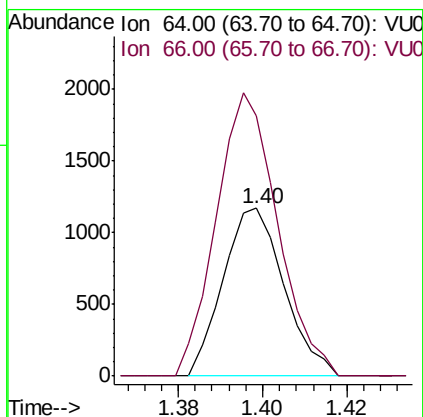
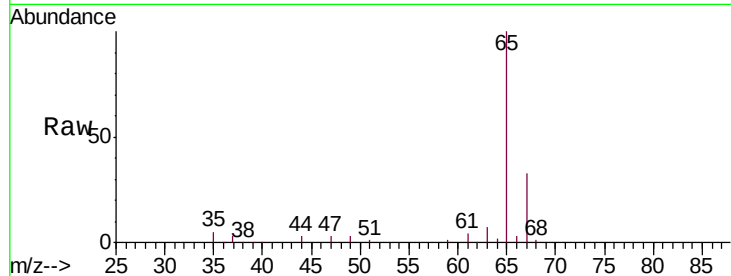
C08K9

Tgt Ion: 64 Resp: 1178

Ion Ratio Lower Upper

64 100

66 155.1 23.0 42.8#



#10

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

Concen: 0.570 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026856.D

Acq: 18 Sep 2018 12:55

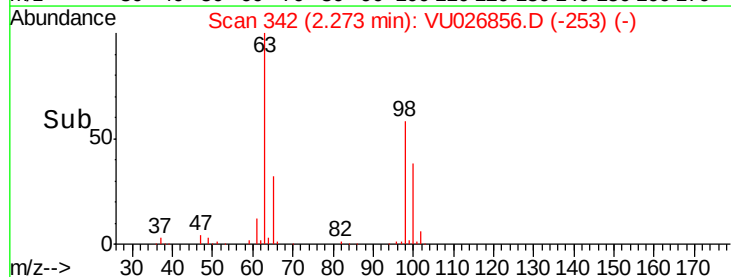
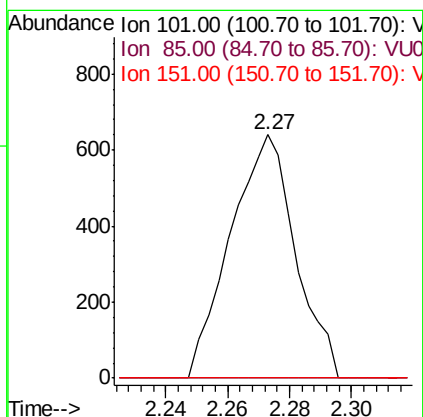
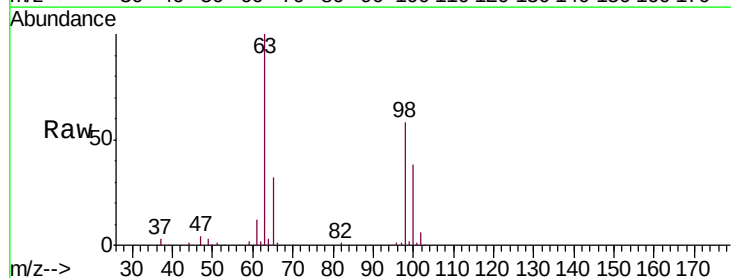
Tgt Ion: 101 Resp: 934

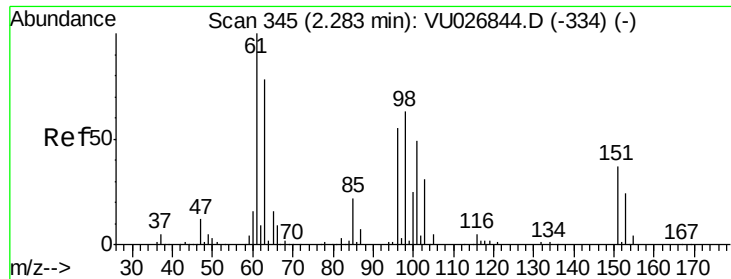
Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 63.0 94.4#

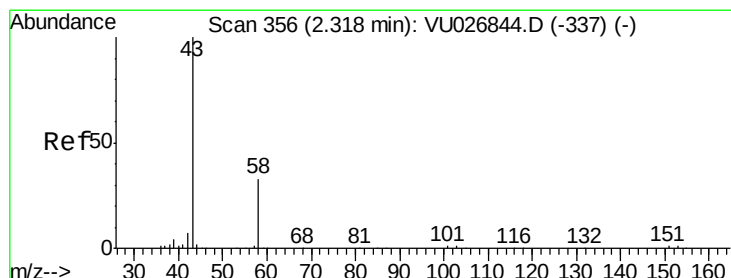
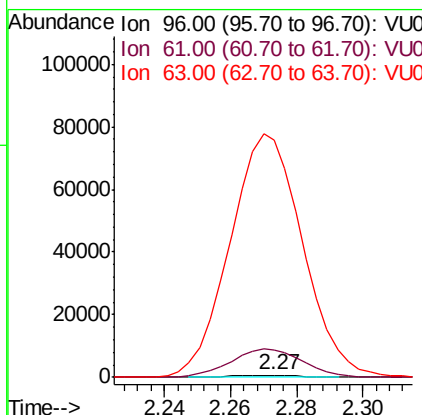
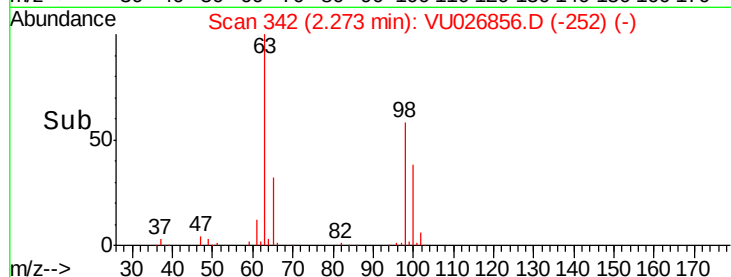
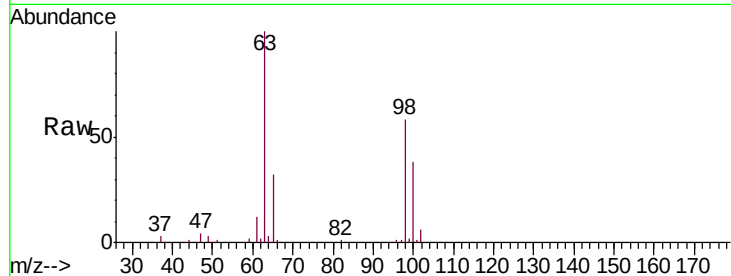




#12
 1,1-Dichloroethene
 Concen: 0.659 ug/L
 RT: 2.27 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

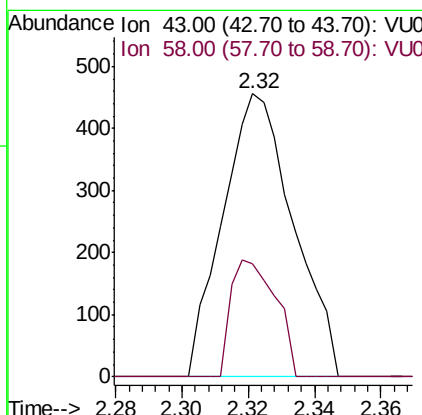
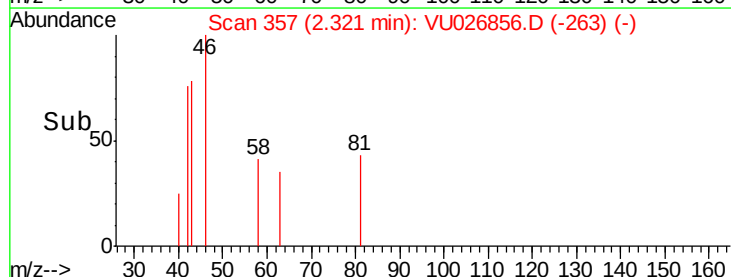
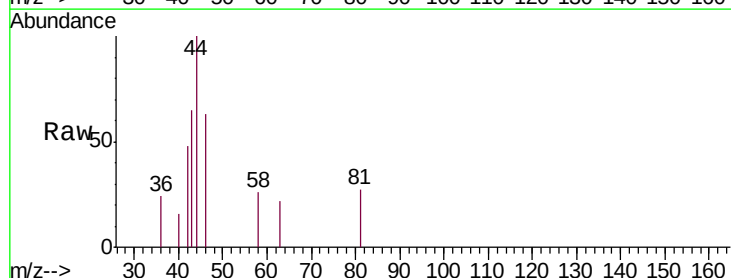
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9

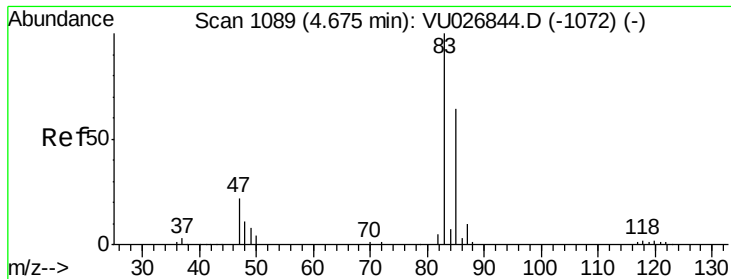
Tgt Ion: 96 Resp: 1014
 Ion Ratio Lower Upper
 96 100
 61 1340.9 124.0 230.4#
 63 11471.9 97.7 181.5#



#13
 Acetone
 Concen: 0.590 ug/L
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

Tgt Ion: 43 Resp: 675
 Ion Ratio Lower Upper
 43 100
 58 26.2 0.0 64.6

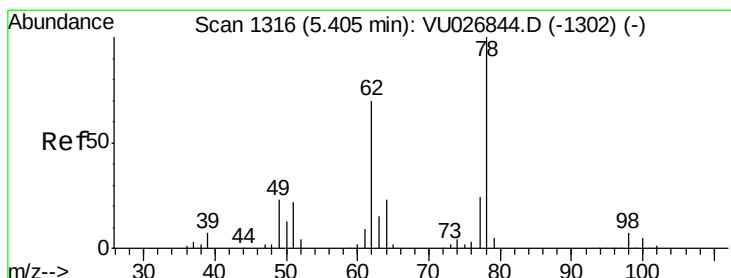
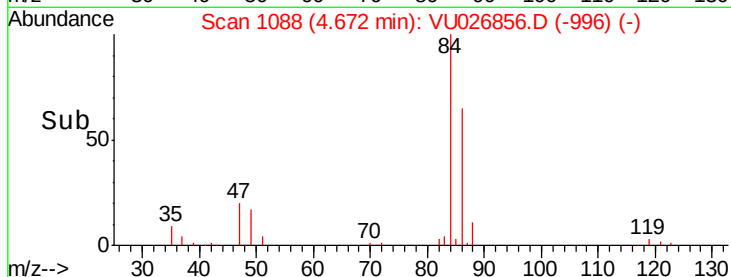
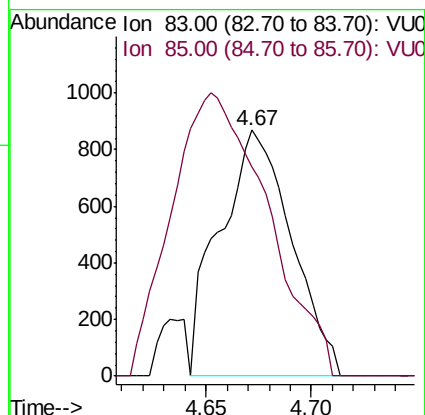
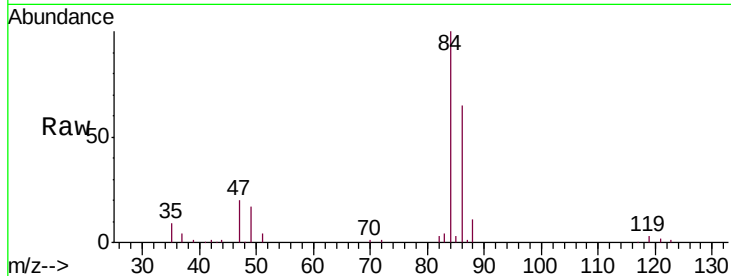




#25
Chloroform
Concen: 0.623 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU026856.D
Acq: 18 Sep 2018 12:55

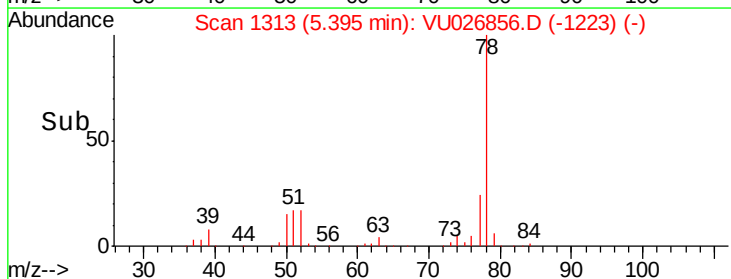
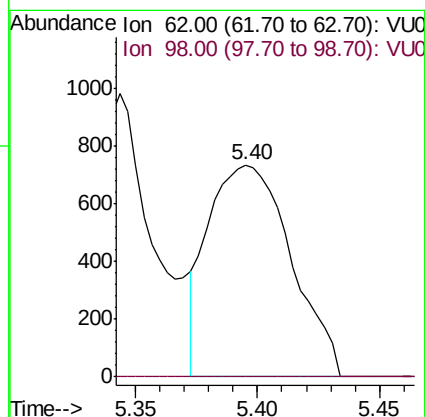
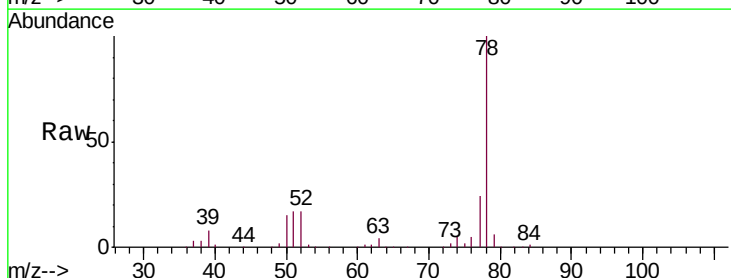
Instrument :
MSVOA_U
ClientSampled :
C08K9

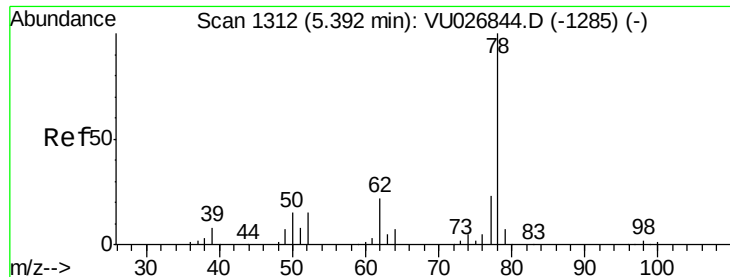
Tgt Ion: 83 Resp: 2062
Ion Ratio Lower Upper
83 100
85 85.4 44.4 82.5#



#27
1,2-Dichloroethane
Concen: 0.670 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VU026856.D
Acq: 18 Sep 2018 12:55

Tgt Ion: 62 Resp: 1731
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#





#33

Benzene

Concen: 24.928 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026856.D

Acq: 18 Sep 2018 12:55

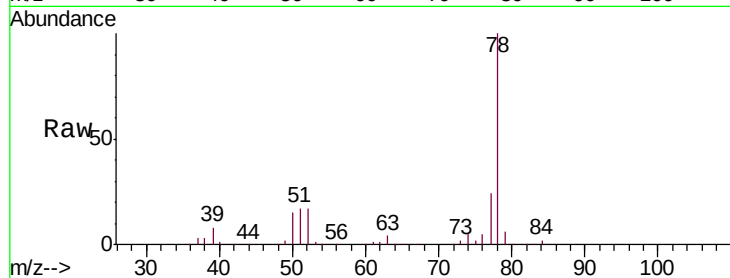
Instrument :

MSVOA_U

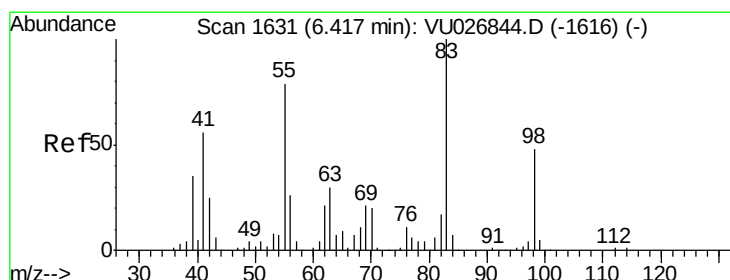
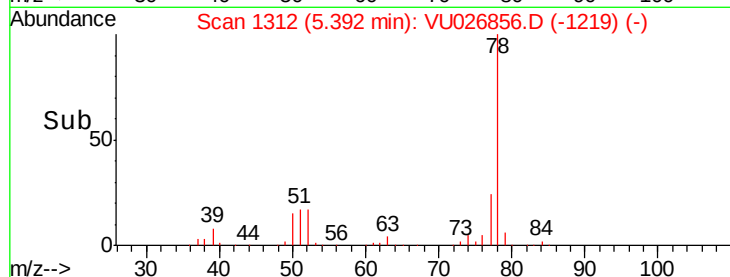
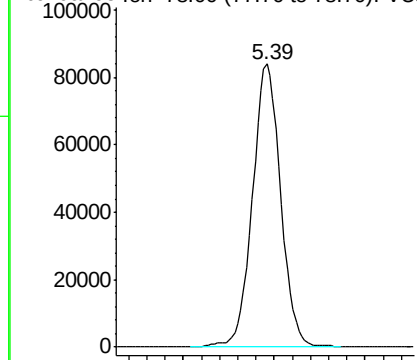
ClientSampleId :

C08K9

Tgt Ion: 78 Resp: 180902



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 8.851 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU026856.D

Acq: 18 Sep 2018 12:55

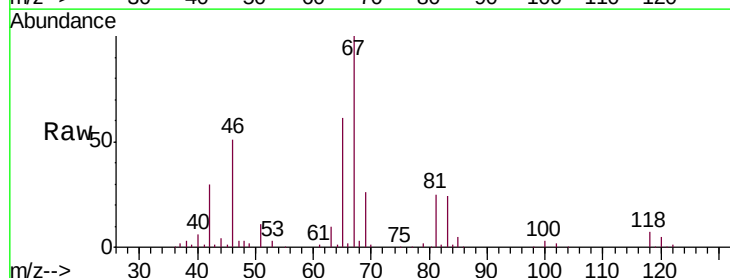
Tgt Ion: 83 Resp: 25126

Ion Ratio Lower Upper

83 100

55 0.3 61.7 92.5#

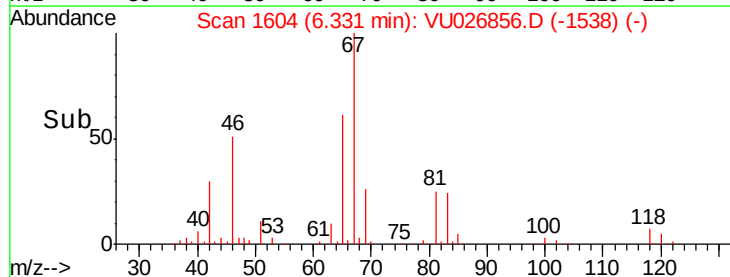
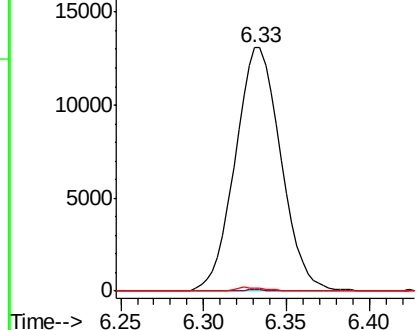
98 1.0 38.3 57.5#

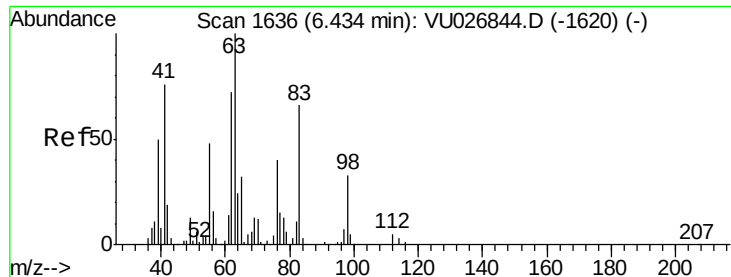


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

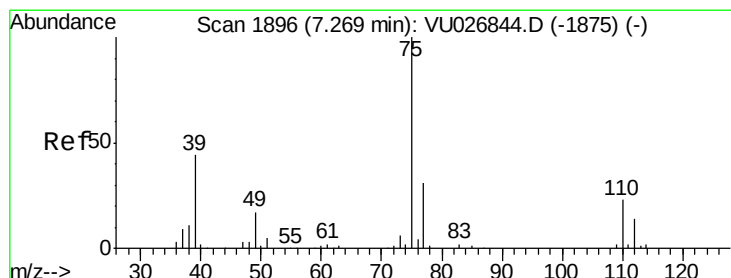
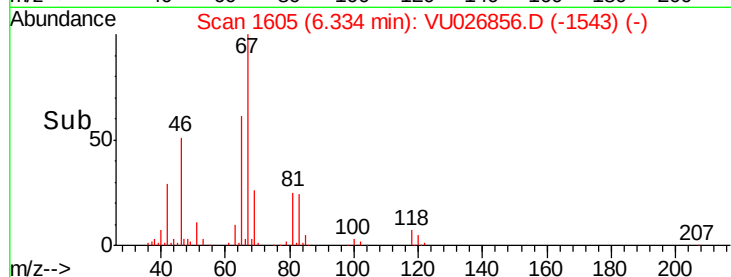
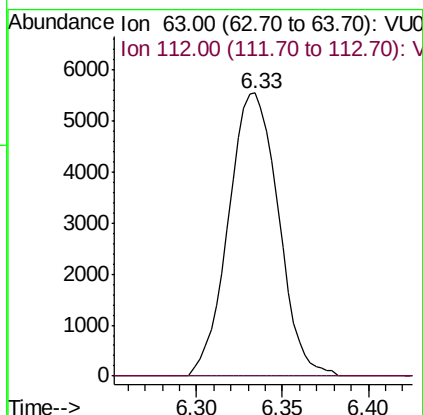
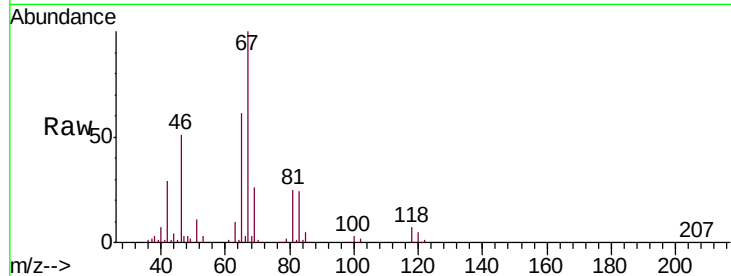




#37
 1,2-Dichloropropane
 Concen: 5.621 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

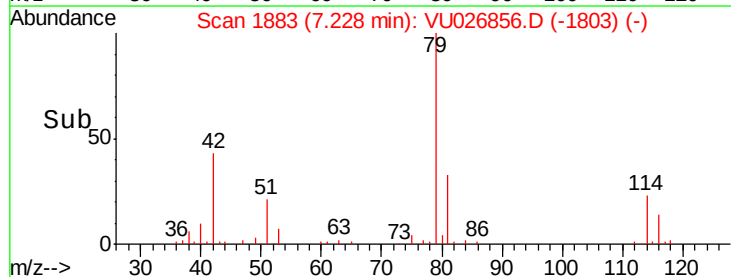
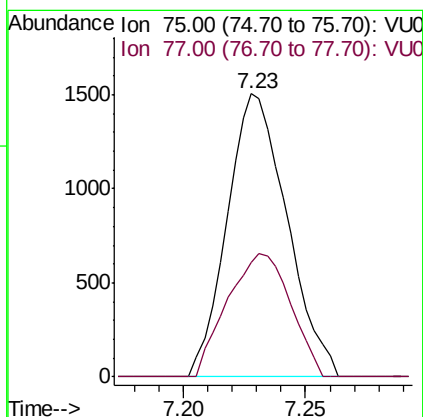
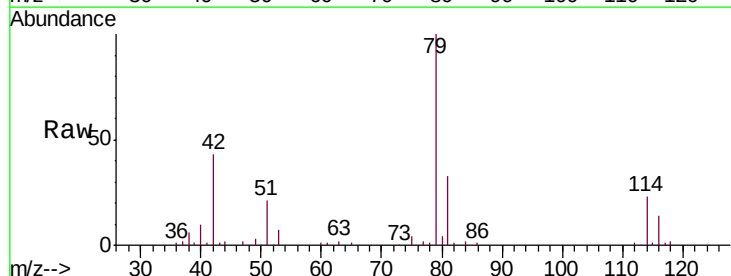
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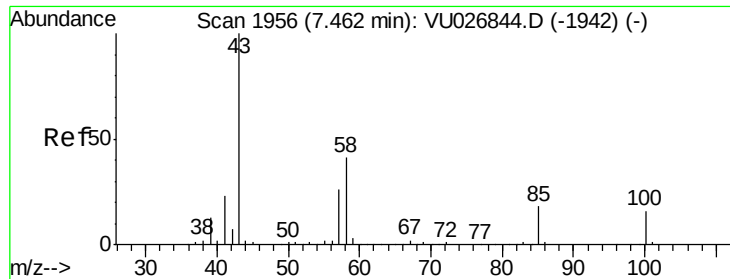
Tgt Ion: 63 Resp: 11206
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.909 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

Tgt Ion: 75 Resp: 2560
 Ion Ratio Lower Upper
 75 100
 77 40.5 22.1 41.1

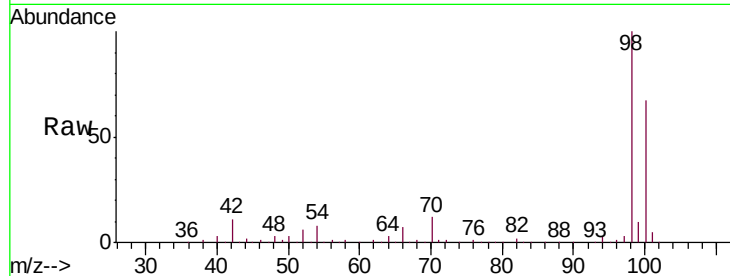




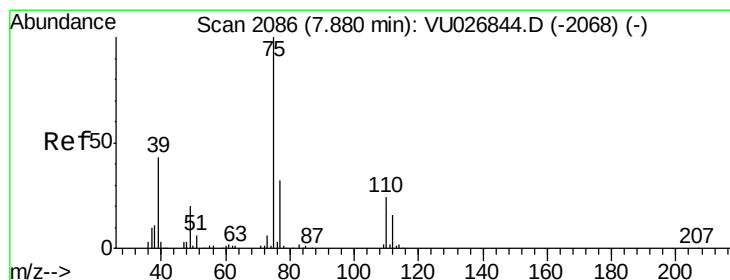
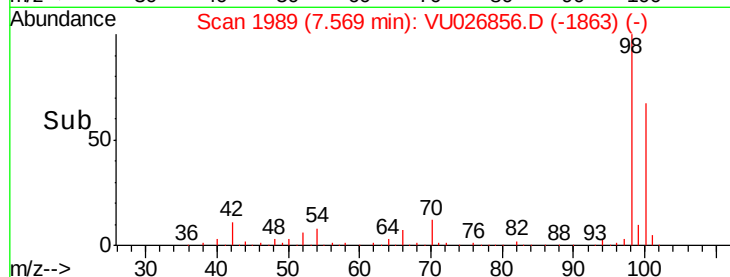
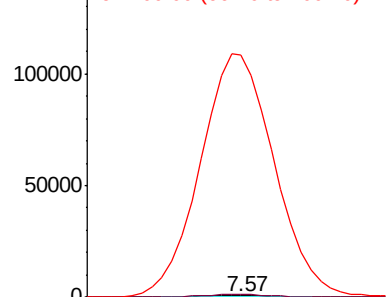
#40
 4-Methyl-2-pentanone
 Concen: 0.490 ug/L
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9

Tgt Ion: 43 Resp: 1160
 Ion Ratio Lower Upper
 43 100
 58 180.3 32.0 48.0#
 100 15771.5 12.6 19.0#

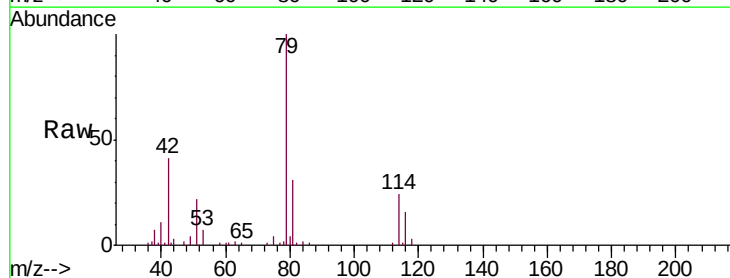


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

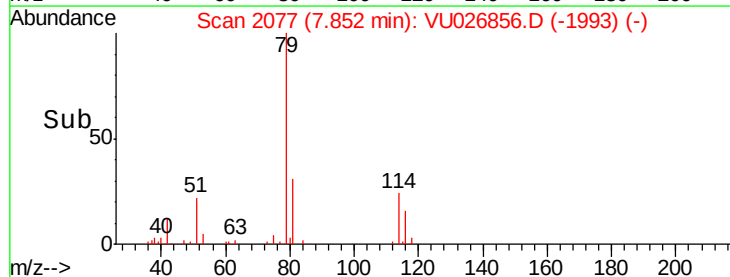
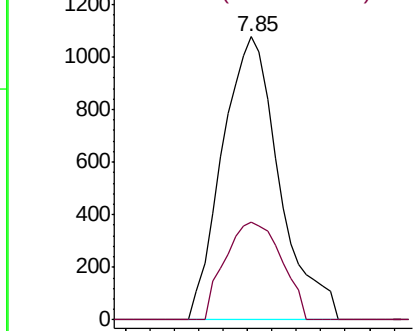


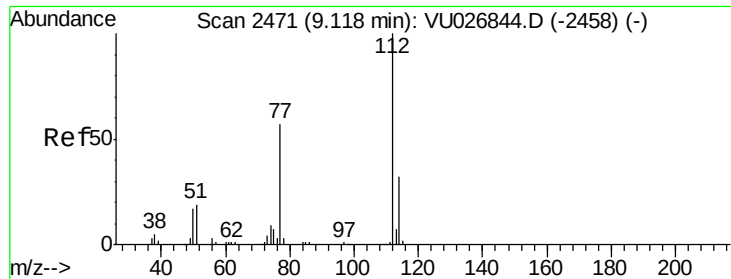
#44
 trans-1,3-Dichloropropene
 Concen: 0.664 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026856.D
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Tgt Ion: 75 Resp: 1752
 Ion Ratio Lower Upper
 75 100
 77 34.4 22.8 42.4



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

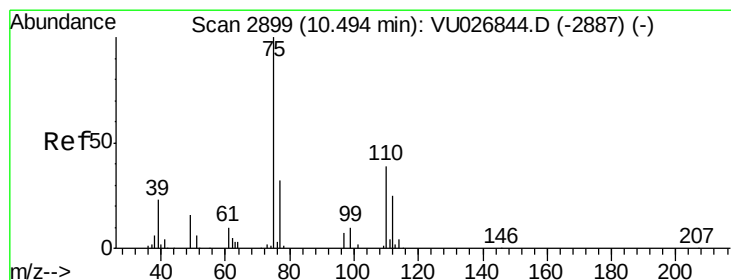
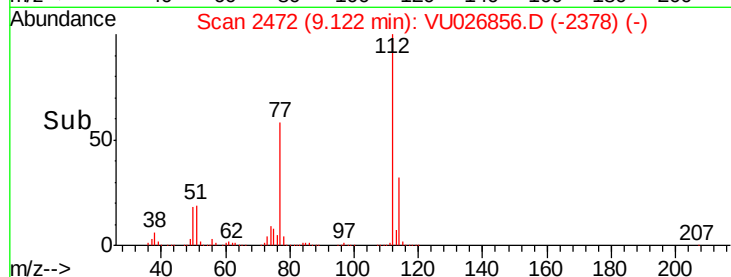
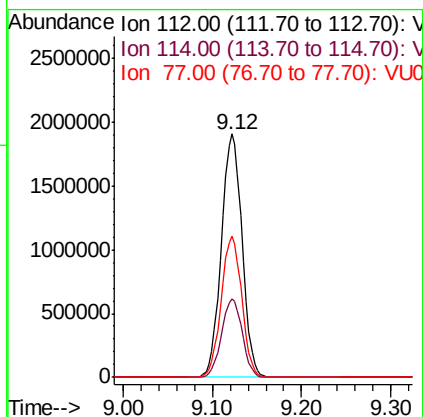
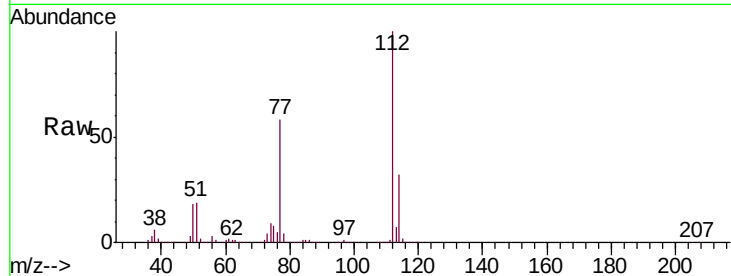




#51
Chlorobenzene
Concen: 614.180 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026856.D
Acq: 18 Sep 2018 12:55

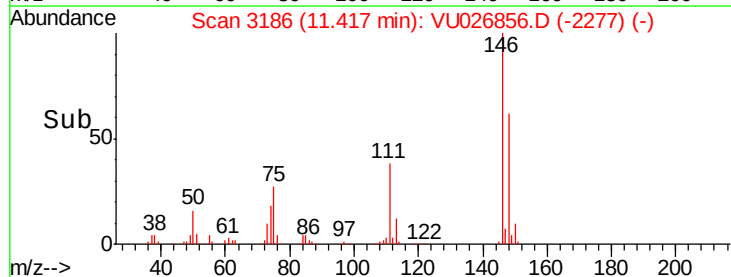
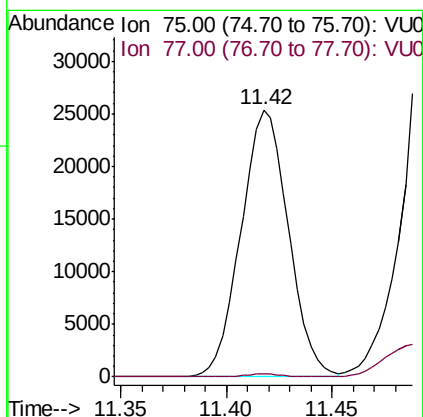
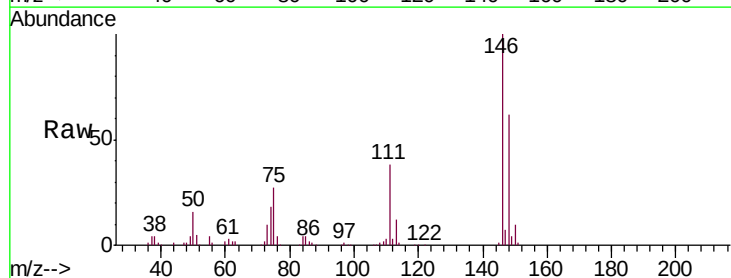
Instrument :
MSVOA_U
ClientSampleId :
C08K9

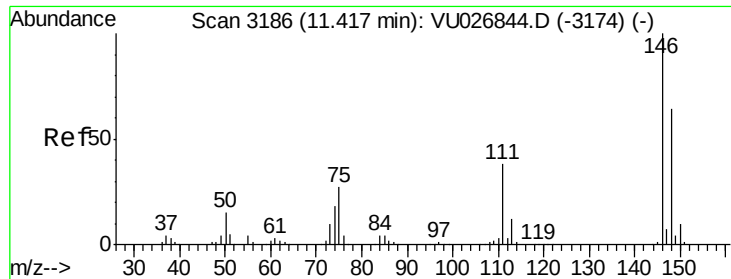
Tgt Ion: 112 Resp: 3060548
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.5
77 57.8 45.1 67.7



#59
1,2,3-Trichloropropane
Concen: 16.601 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.92 min
Lab File: VU026856.D
Acq: 18 Sep 2018 12:55

Tgt Ion: 75 Resp: 39641
Ion Ratio Lower Upper
75 100
77 0.7 25.5 38.3#

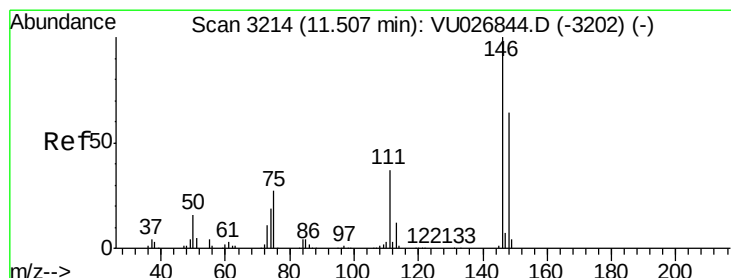
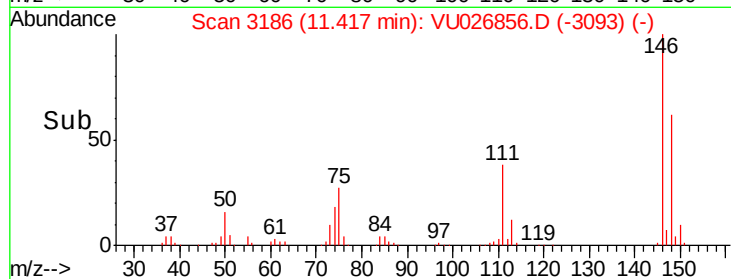
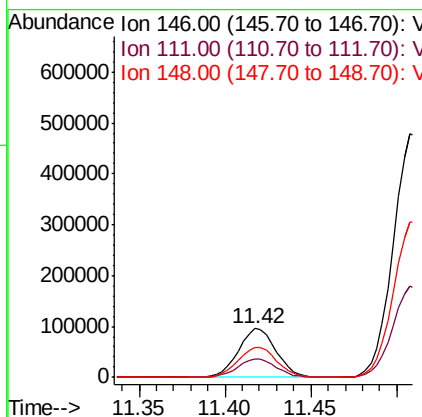
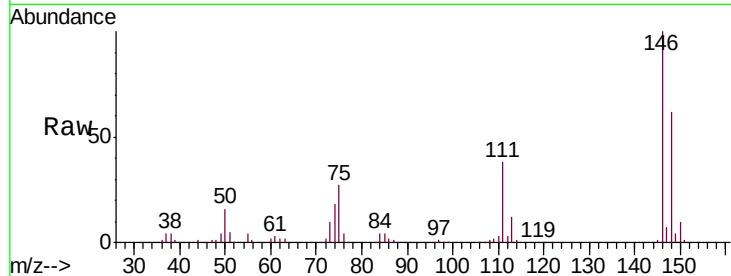




#62
 1,3-Dichlorobenzene
 Concen: 40.927 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

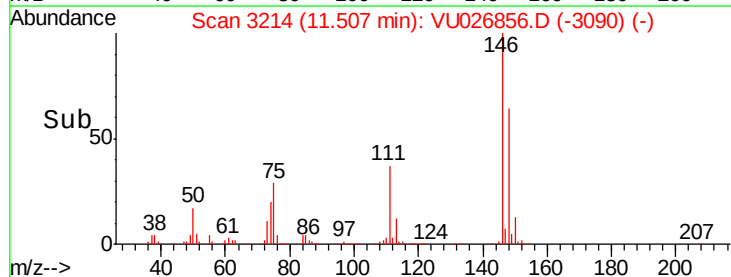
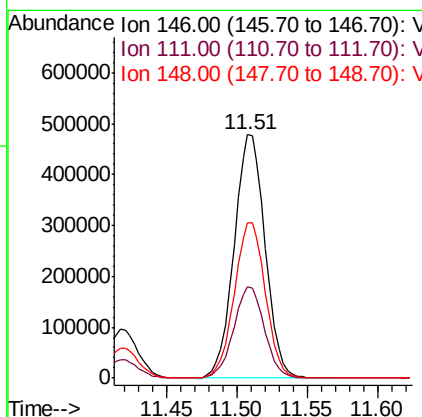
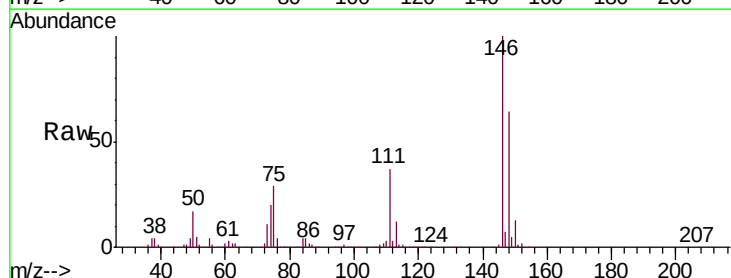
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9

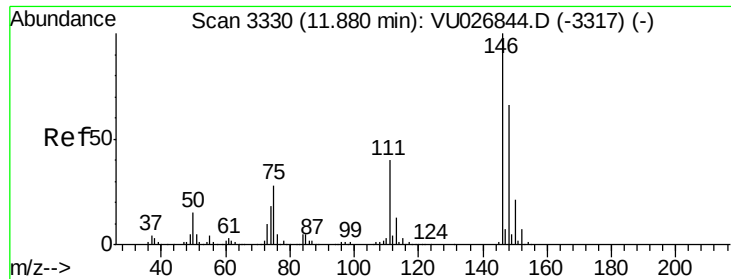
Tgt Ion:146 Resp: 145323
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.7 49.7
 148 62.4 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 187.649 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

Tgt Ion:146 Resp: 733686
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.0 48.2
 148 63.7 45.8 85.2

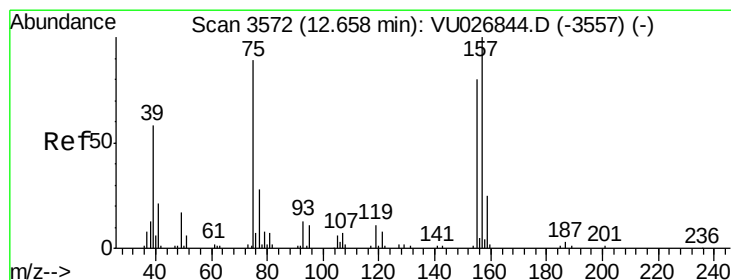
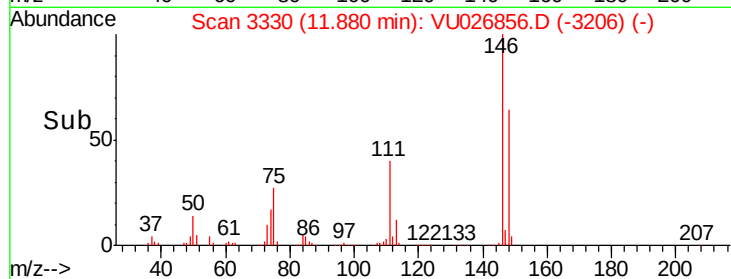
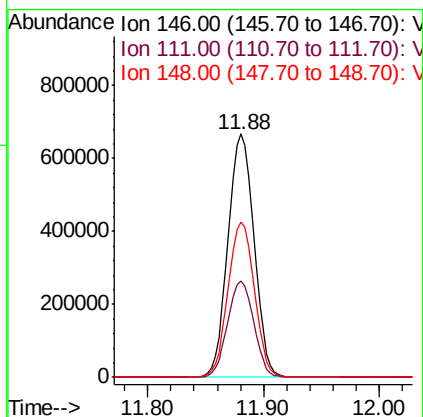
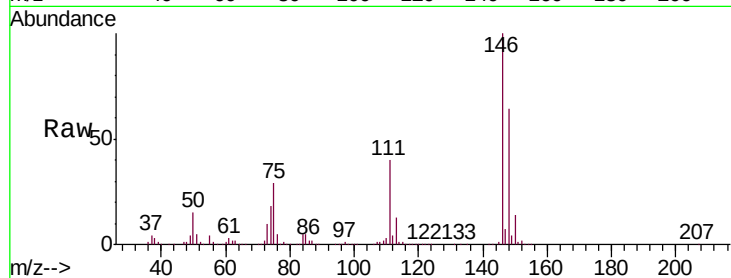




#65
 1,2-Dichlorobenzene
 Concen: 263.423 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

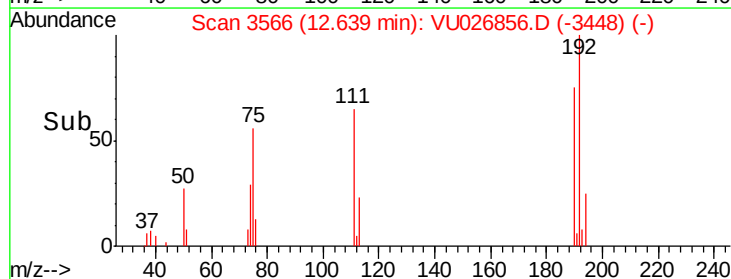
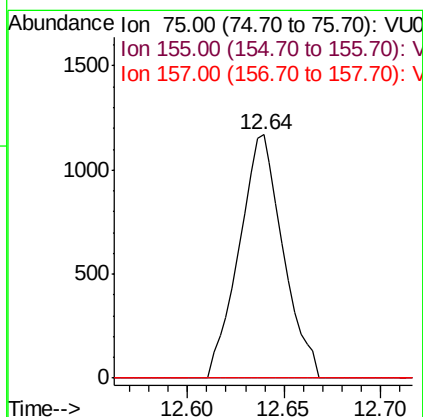
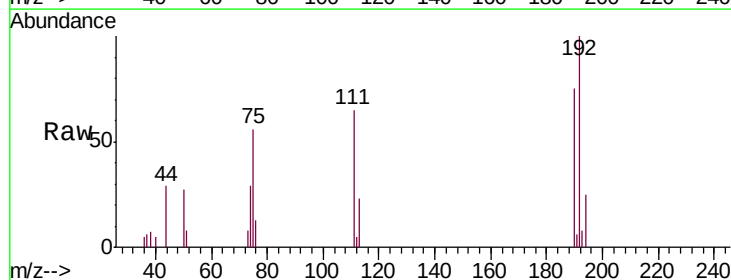
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9

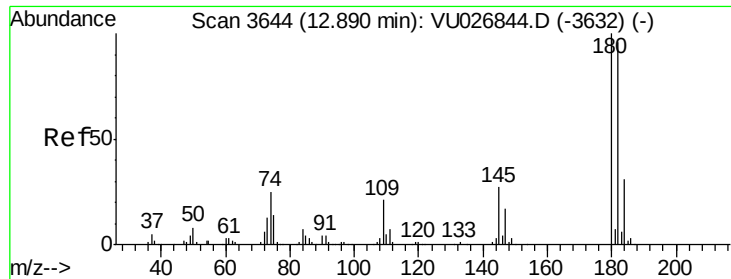
Tgt Ion:146 Resp: 1035690
 Ion Ratio Lower Upper
 146 100
 111 39.8 31.4 47.0
 148 64.0 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.097 ug/L
 RT: 12.64 min Scan# 3566
 Delta R.T. -0.02 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

Tgt Ion: 75 Resp: 1847
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 90.5 135.7#

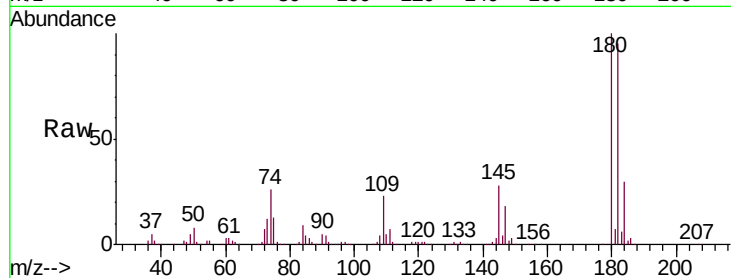




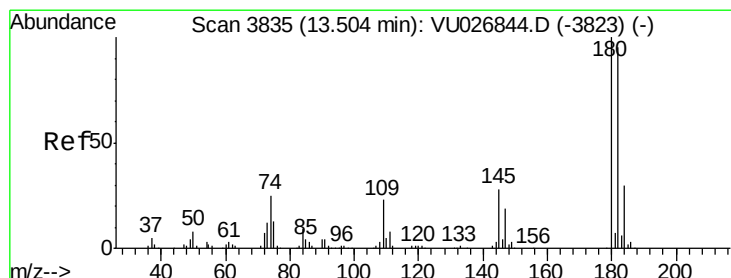
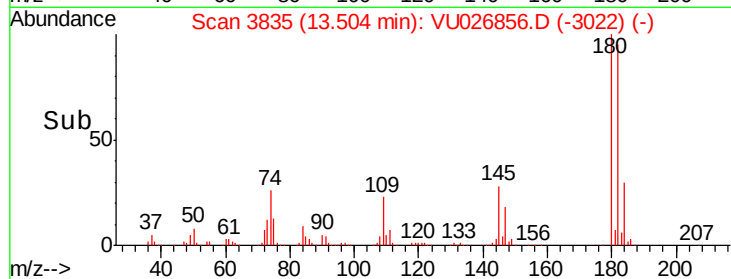
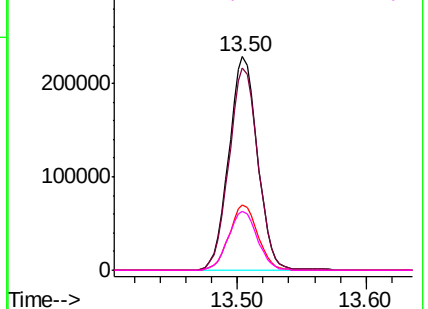
#67
 1,3,5-Trichlorobenzene
 Concen: 128.381 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.61 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9

Tgt Ion:	180	Resp:	352756
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
184	30.6	24.2	36.4
145	28.0	21.8	32.6

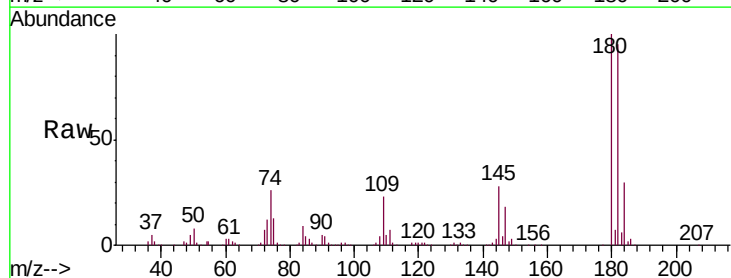


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

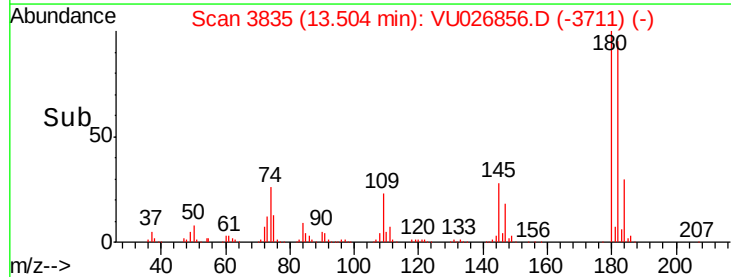
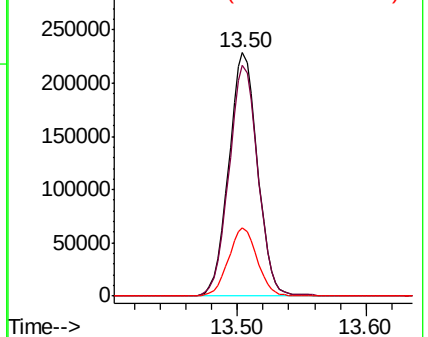


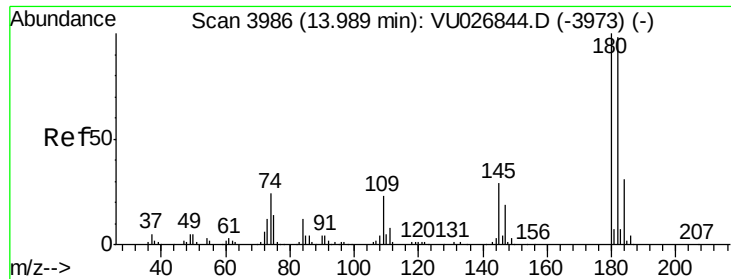
#68
 1,2,4-trichlorobenzene
 Concen: 148.979 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

Tgt Ion:	180	Resp:	352756
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
145	28.0	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

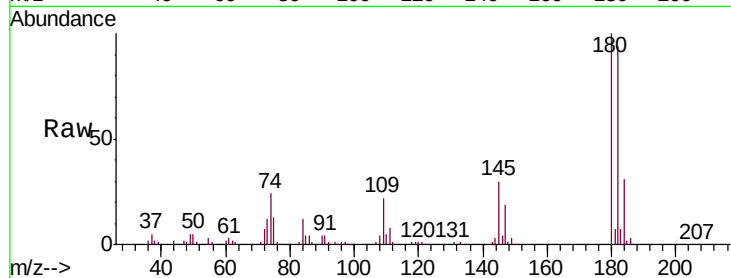




#70
 1,2,3-Trichlorobenzene
 Concen: 32.441 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026856.D
 Acq: 18 Sep 2018 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9

Tgt Ion:180 Resp: 84590
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.6 113.4
 145 29.6 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

