

Data File : VU026884.D
Acq On : 18 Sep 2018 23:46
Operator : MD/SY
Sample : J4896-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08M8

Quant Time: Sep 19 07:41:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 07:38:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	225209	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	216195	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89537	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61358	36.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.66%
7) Chloroethane-d5	1.68	69	57161	40.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.18%
11) 1,1-Dichloroethene-d2	2.27	63	89318	28.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.66%#
21) 2-Butanone-d5	4.18	46	119587	108.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.17%
24) Chloroform-d	4.65	84	136764	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.52%
26) 1,2-Dichloroethane-d4	5.31	65	90018	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
32) Benzene-d6	5.34	84	259682	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
36) 1,2-Dichloropropane-d6	6.33	67	91608	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.86%
41) Toluene-d8	7.57	98	211724	38.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.36%#
43) trans-1,3-Dichloropropene-	7.85	79	35474	40.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.40%
47) 2-Hexanone-d5	8.31	63	80162	104.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	132203	48.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	93958	50.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.88%

Target Compounds

					Qvalue
8) Chloroethane	1.47	64	61002	46.073 ug/L #	50
13) Acetone	2.32	43	3708	3.412 ug/L	96
33) Benzene	5.39	78	29674	4.427 ug/L	100
35) Methylcyclohexane	6.33	83	20827	7.943 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	9364	5.086 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2046	0.787 ug/L #	63
40) 4-Methyl-2-pentanone	7.39	43	1225	0.560 ug/L #	43
44) trans-1,3-Dichloropropene	7.85	75	1471	0.604 ug/L	98
51) Chlorobenzene	9.12	112	50276	10.923 ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	14023	6.358 ug/L	90
62) 1,3-Dichlorobenzene	11.42	146	2766	1.013 ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	14047	4.674 ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	15132	5.007 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	10017	4.742 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	10017	5.503 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	3025	1.509 ug/L	97

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

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C08M8

Quant Time: Sep 19 07:41:20 2018
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Quant Title : VOC Analysis
QLast Update : Wed Sep 19 07:38:56 2018
Response via : Initial Calibration

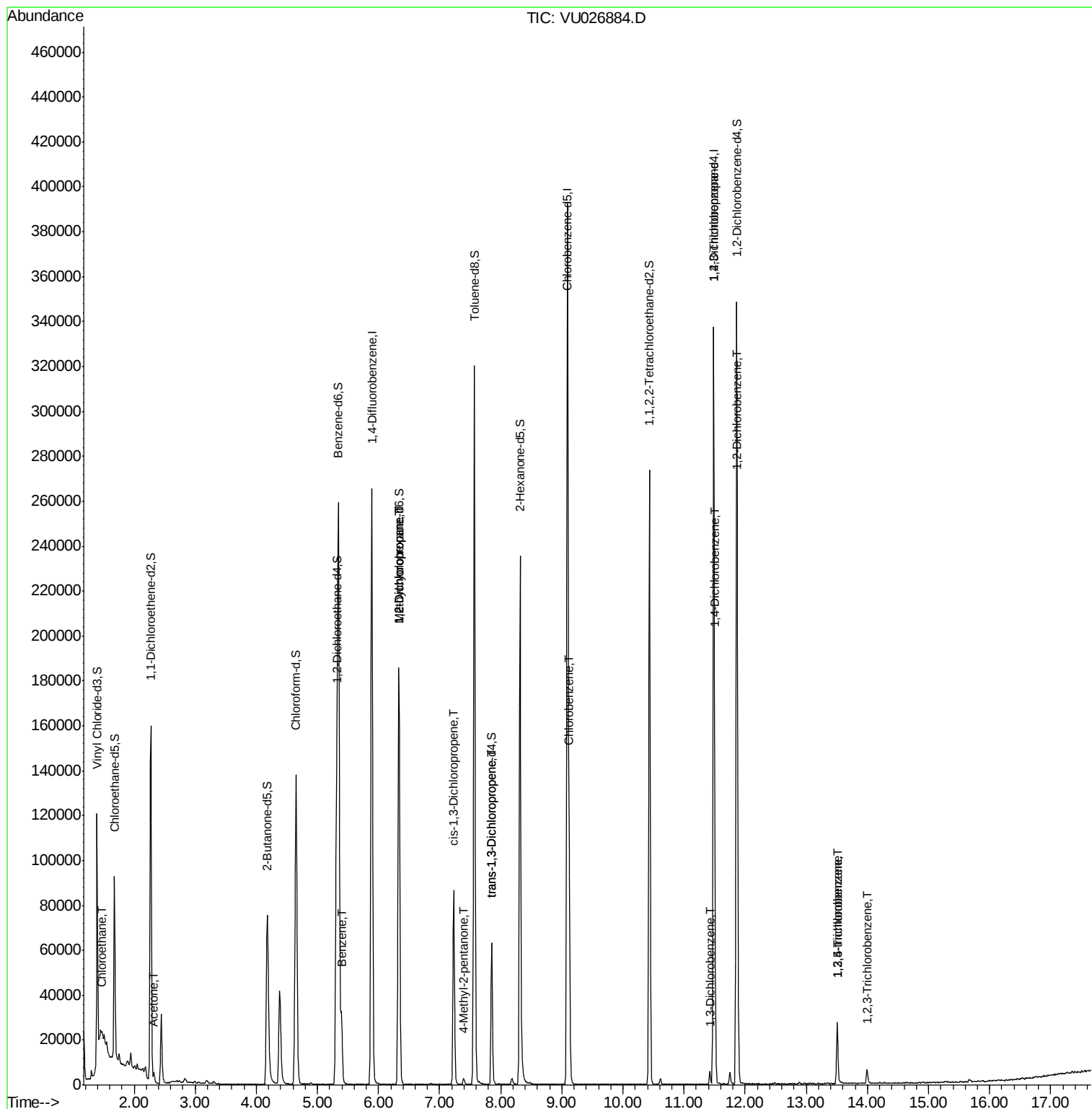
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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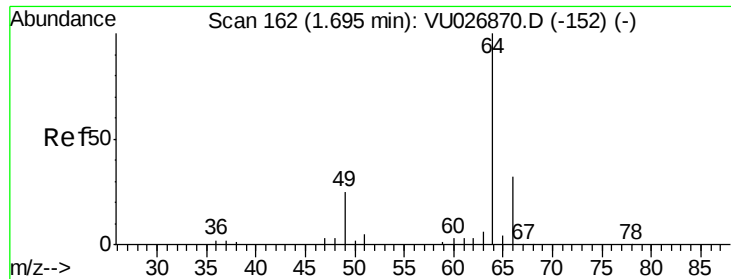
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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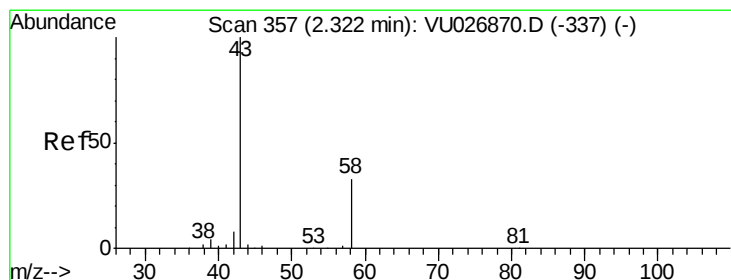
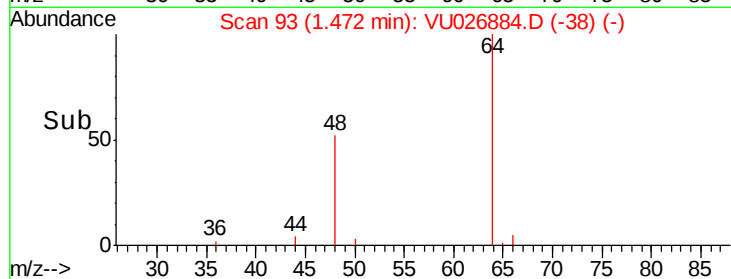
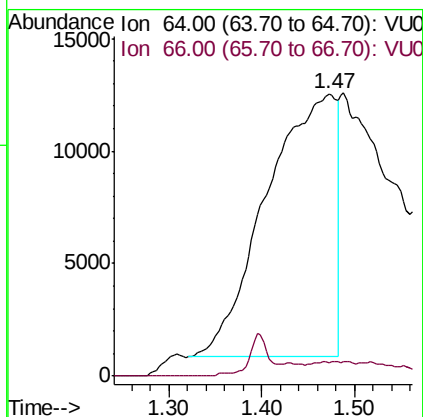
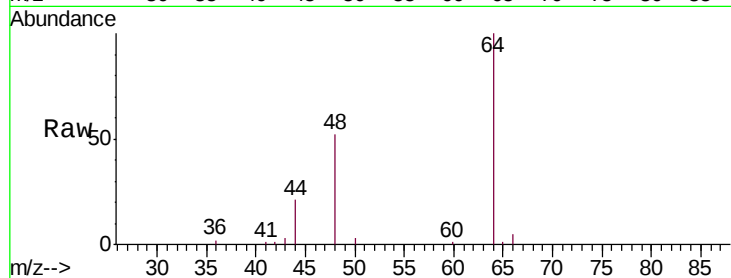




#8
 Chloroethane
 Concen: 46.073 ug/L
 RT: 1.47 min Scan# 93
 Delta R.T. -0.22 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

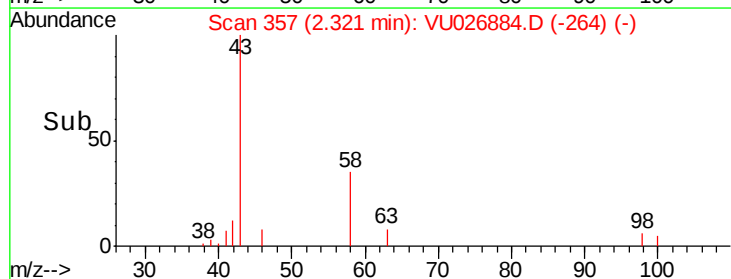
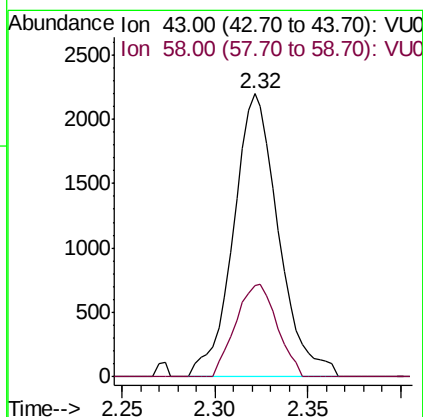
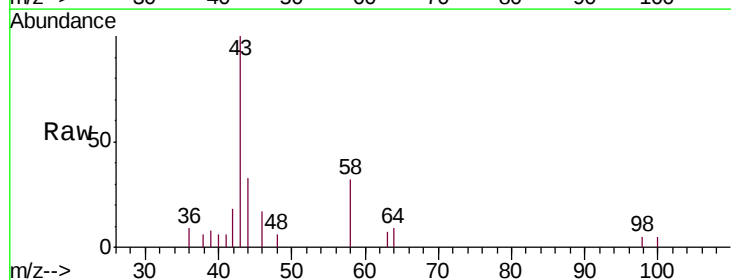
Instrument :
 MSVOA_U
 ClientSampleId :
 C08M8

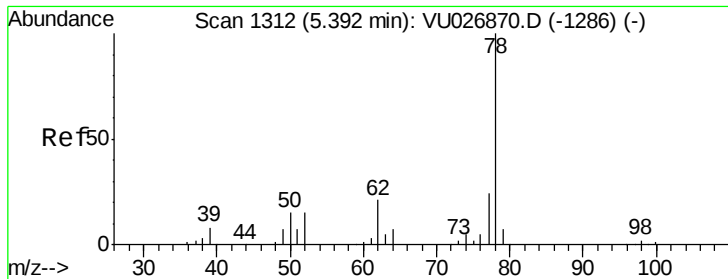
Tgt Ion: 64 Resp: 61002
 Ion Ratio Lower Upper
 64 100
 66 4.9 23.0 42.8#



#13
 Acetone
 Concen: 3.412 ug/L
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

Tgt Ion: 43 Resp: 3708
 Ion Ratio Lower Upper
 43 100
 58 30.0 0.0 64.6





#33

Benzene

Concen: 4.427 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

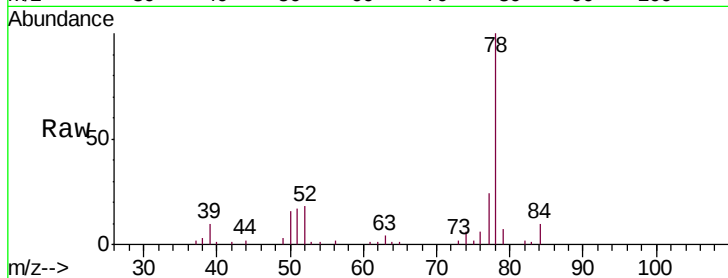
Instrument :

MSVOA_U

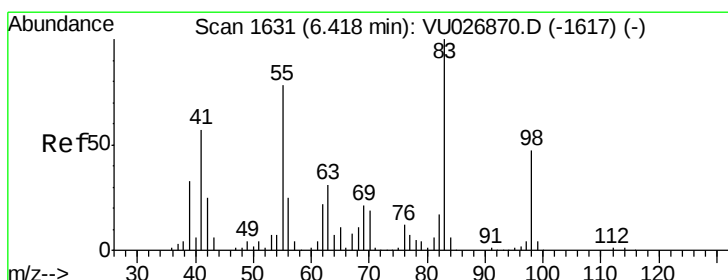
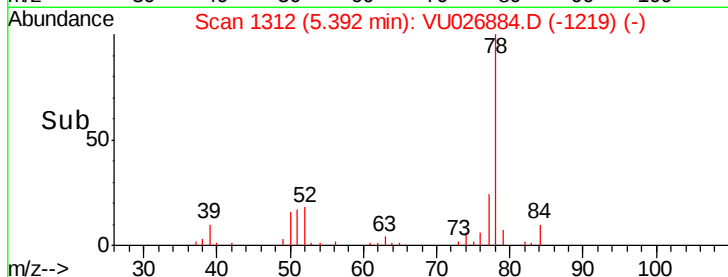
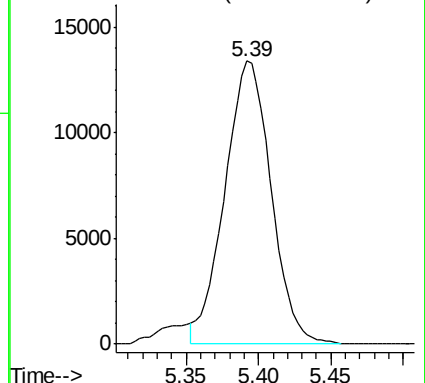
ClientSampleId :

C08M8

Tgt Ion: 78 Resp: 29674



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 7.943 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

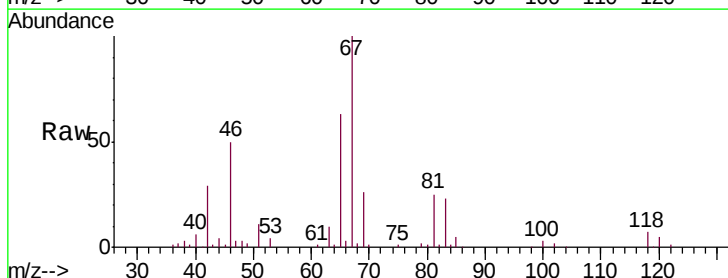
Tgt Ion: 83 Resp: 20827

Ion Ratio Lower Upper

83 100

55 0.0 61.7 92.5#

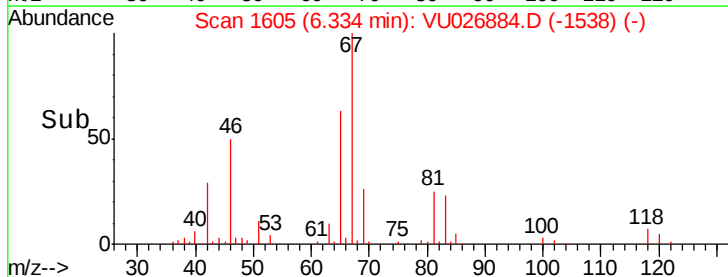
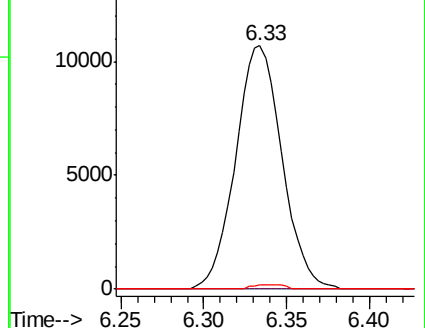
98 1.2 38.3 57.5#

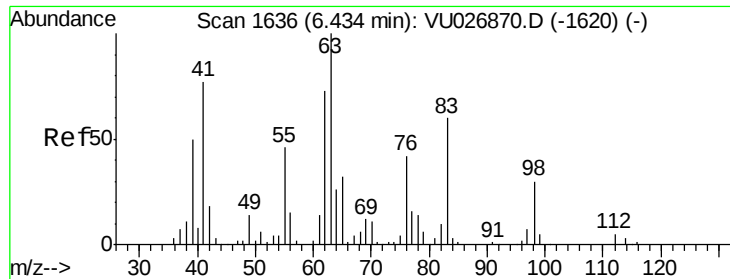


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

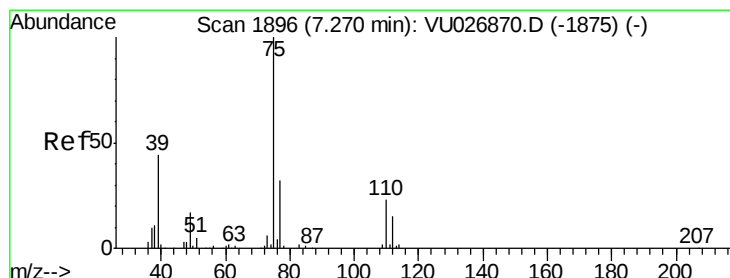
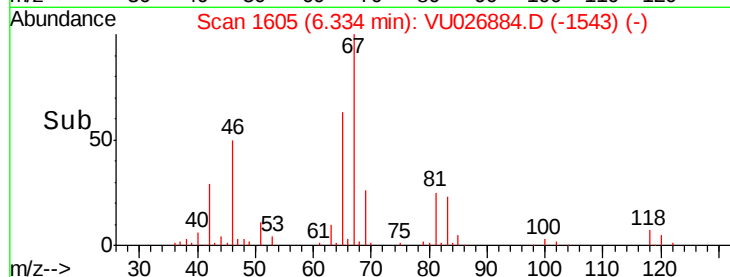
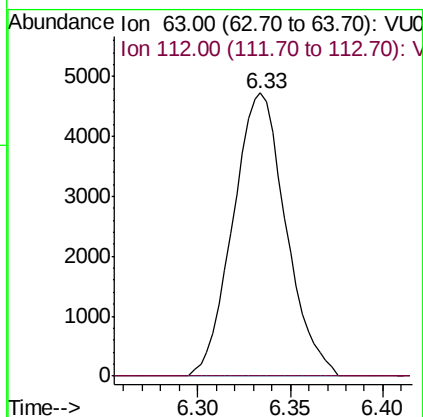
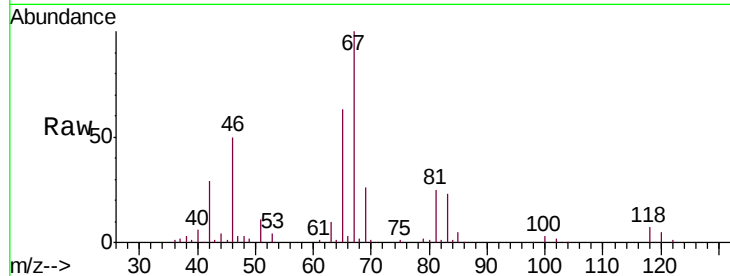




#37
 1,2-Dichloropropane
 Concen: 5.086 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

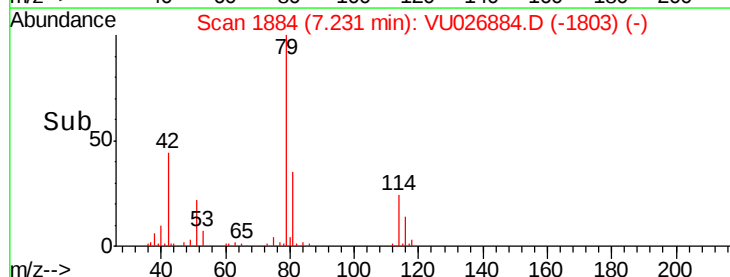
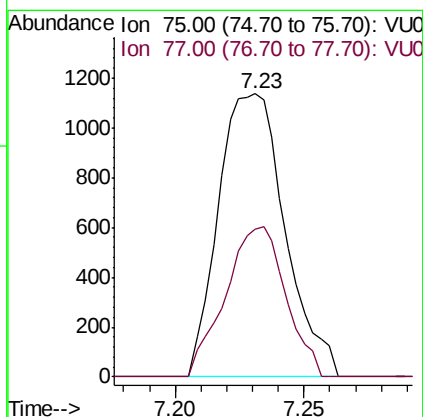
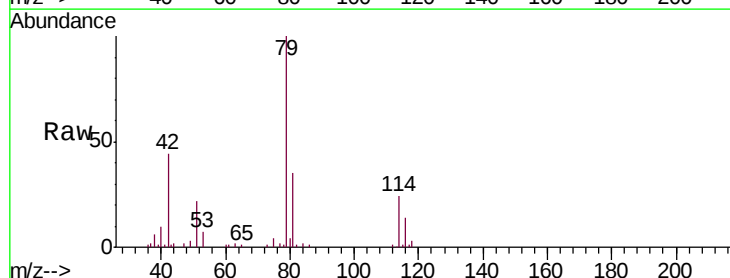
Instrument :
 MSVOA_U
 ClientSampled :
 C08M8

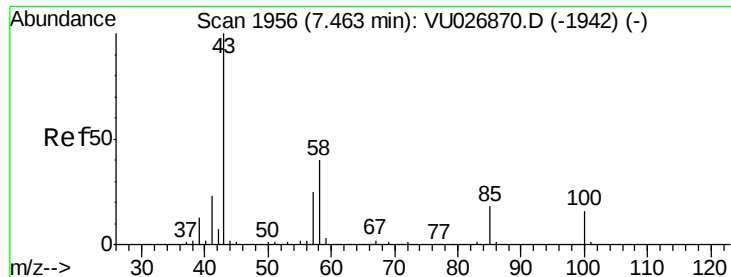
Tgt Ion: 63 Resp: 9364
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.787 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

Tgt Ion: 75 Resp: 2046
 Ion Ratio Lower Upper
 75 100
 77 52.3 22.1 41.1#

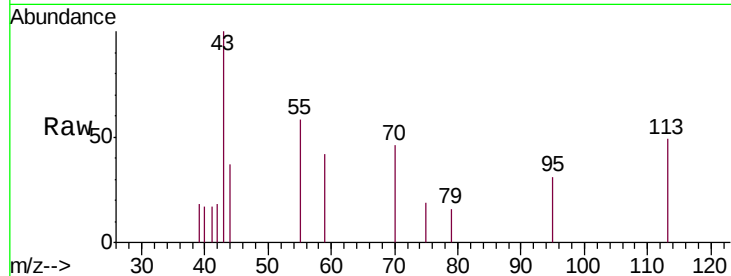




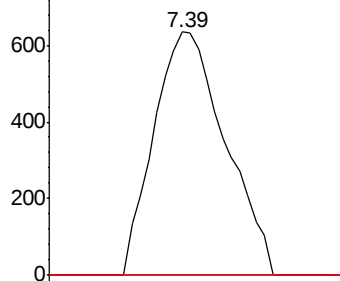
#40
4-Methyl-2-pentanone
Concen: 0.560 ug/L
RT: 7.39 min Scan# 1934
Delta R.T. -0.07 min
Lab File: VU026884.D
Acq: 18 Sep 2018 23:46

Instrument :
MSVOA_U
ClientSampleId :
C08M8

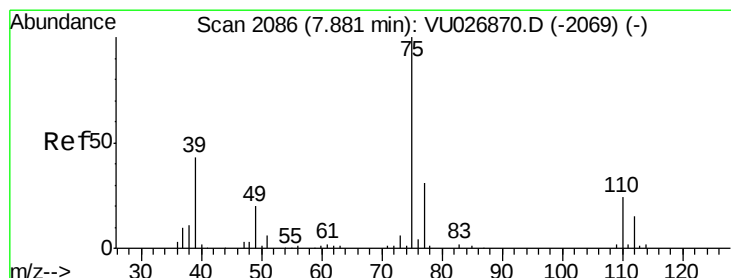
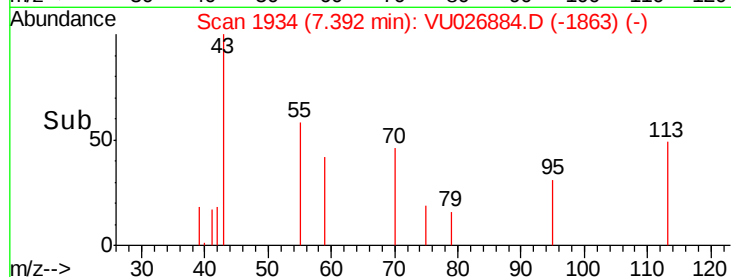
Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
58 0.0 32.0 48.0#
100 0.0 12.6 19.0#



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

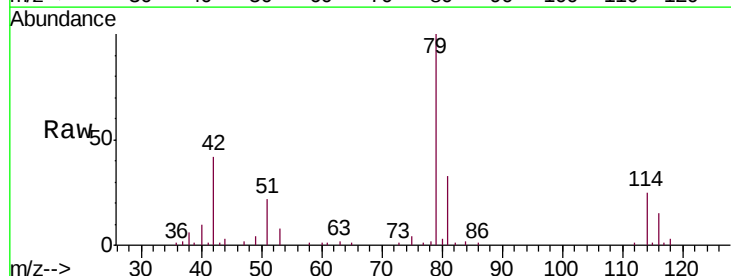


Time-->

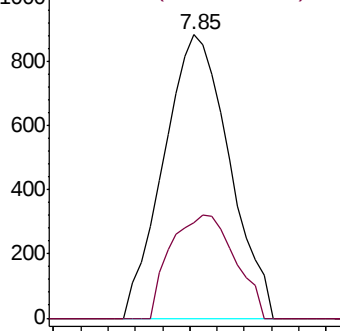


#44
trans-1,3-Dichloropropene
Concen: 0.604 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026884.D
Acq: 18 Sep 2018 23:46

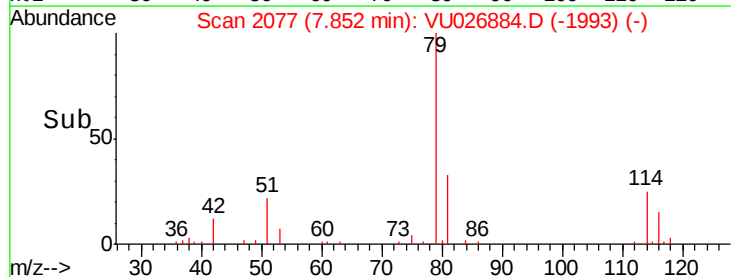
Tgt Ion: 75 Resp: 1471
Ion Ratio Lower Upper
75 100
77 33.8 22.8 42.4

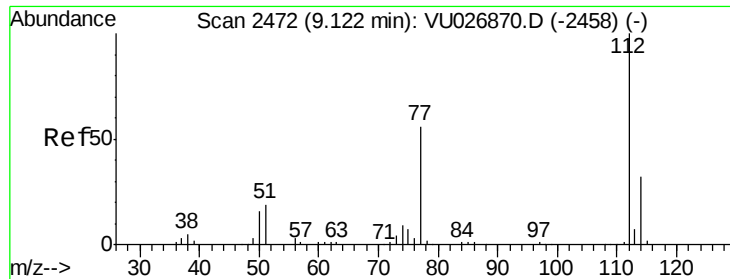


Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0



Time-->





#51

Chlorobenzene

Concen: 10.923 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

Instrument :

MSVOA_U

ClientSampleId :

C08M8

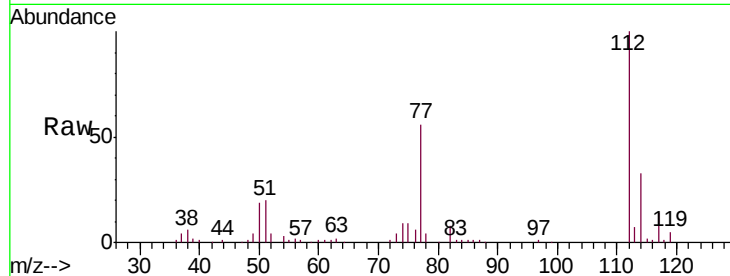
Tgt Ion: 112 Resp: 50276

Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.5

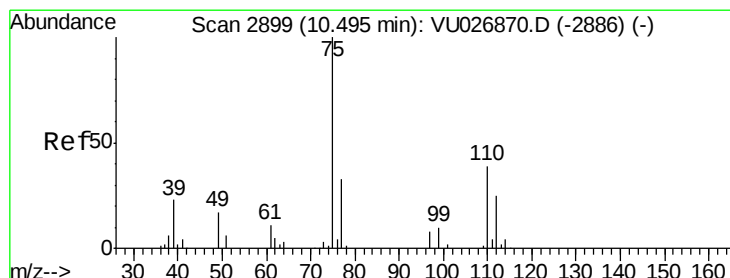
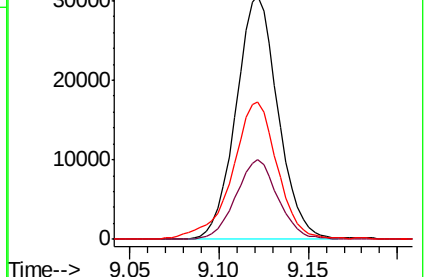
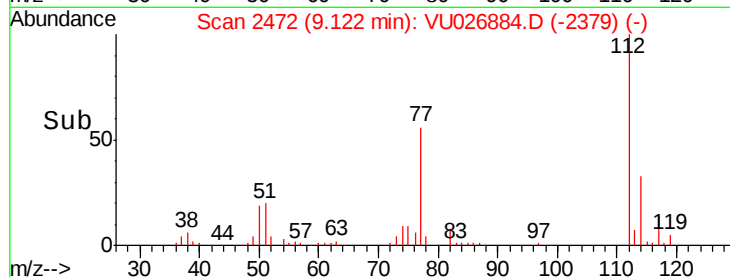
77 56.2 45.1 67.7



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: 6.358 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU026884.D

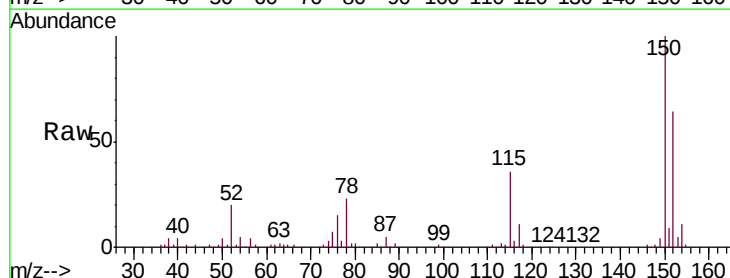
Acq: 18 Sep 2018 23:46

Tgt Ion: 75 Resp: 14023

Ion Ratio Lower Upper

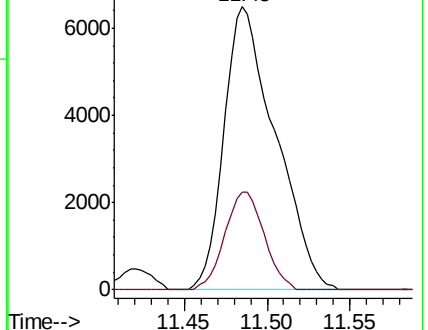
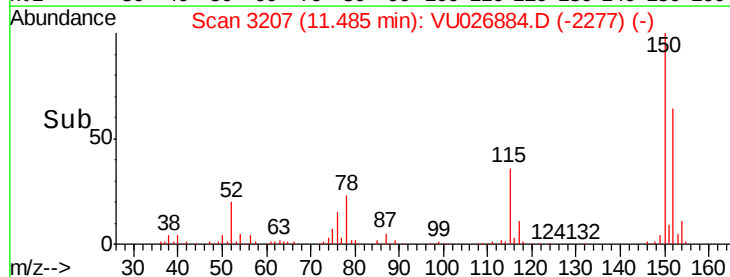
75 100

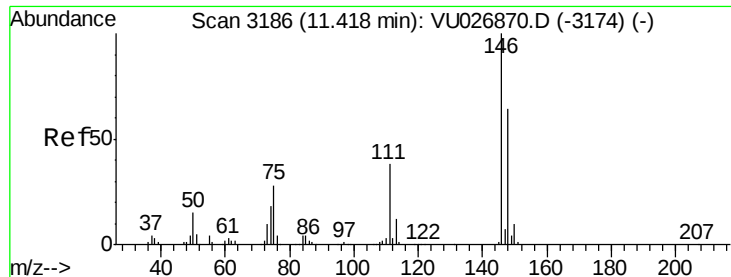
77 26.4 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 1.013 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

Instrument :

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ClientSampleId :

C08M8

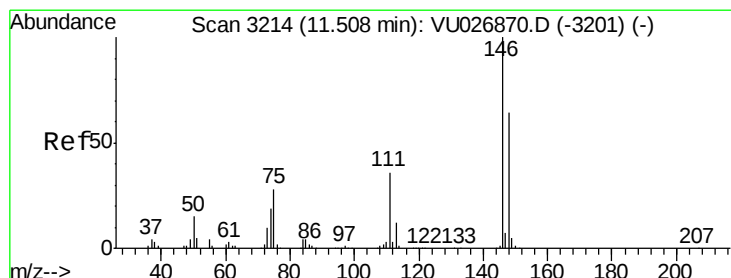
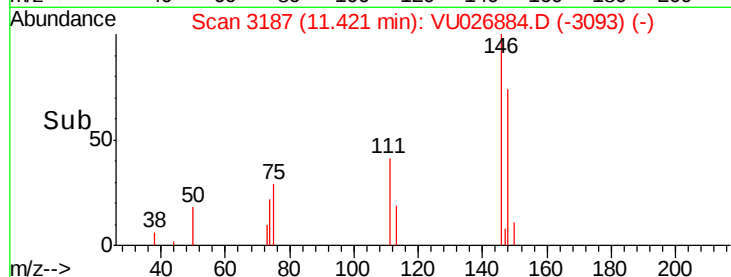
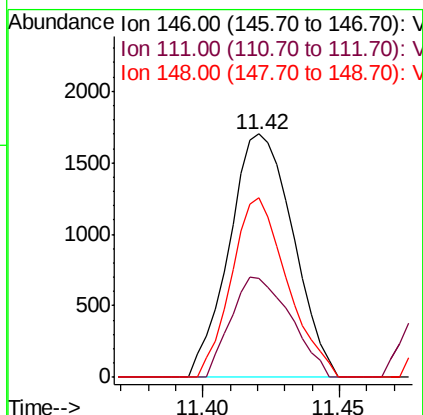
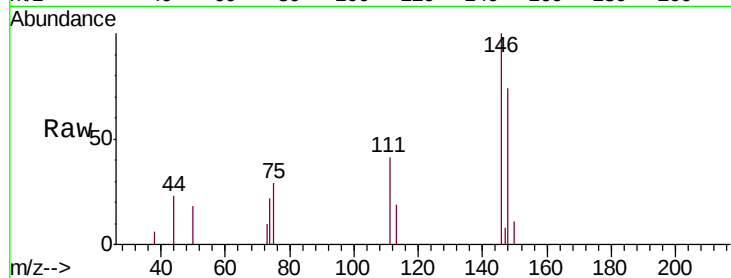
Tgt Ion:146 Resp: 2766

Ion Ratio Lower Upper

146 100

111 40.7 26.7 49.7

148 73.9 44.9 83.5



#63

1,4-Dichlorobenzene

Concen: 4.674 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026884.D

Acq: 18 Sep 2018 23:46

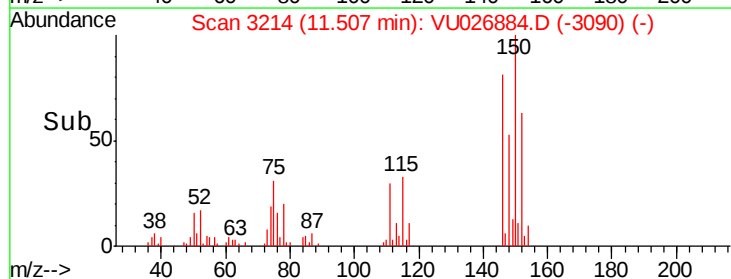
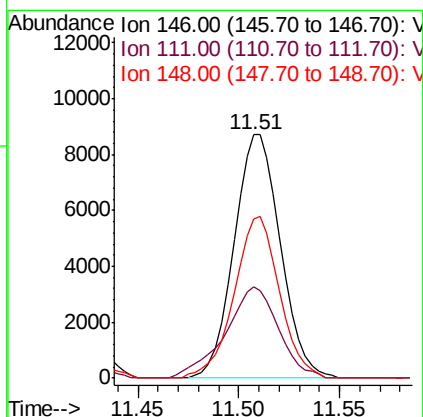
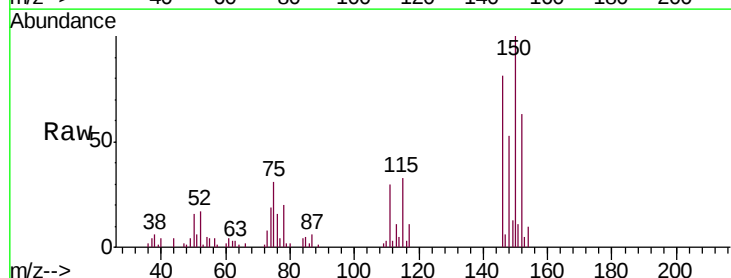
Tgt Ion:146 Resp: 14047

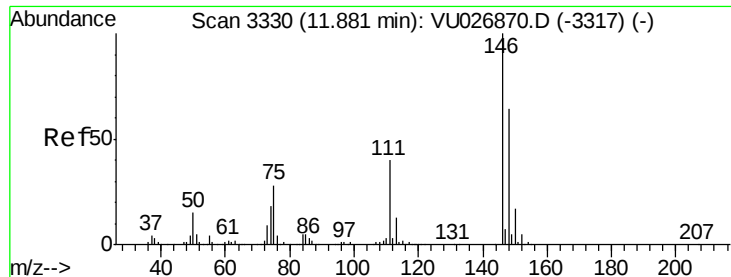
Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.2

148 65.4 45.8 85.2

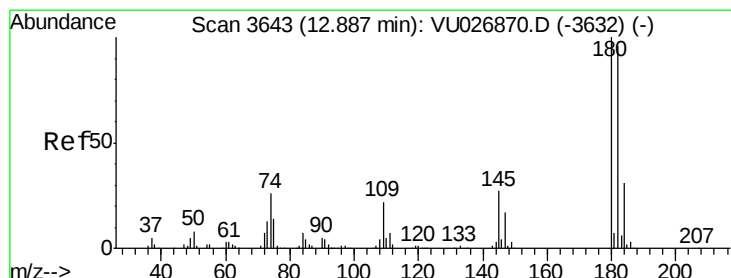
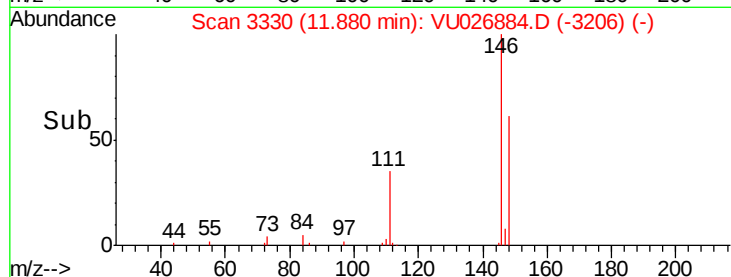
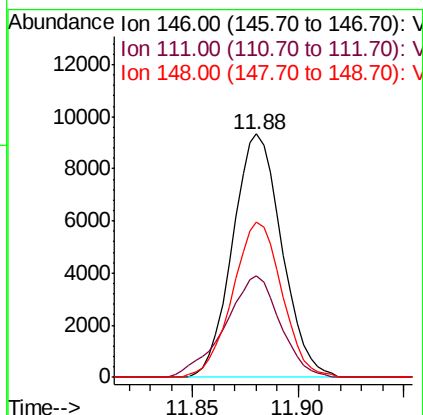
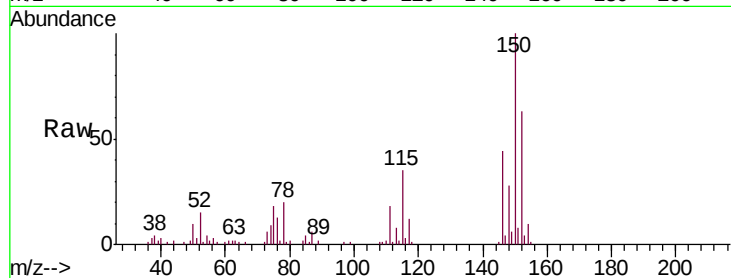




#65
 1,2-Dichlorobenzene
 Concen: 5.007 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

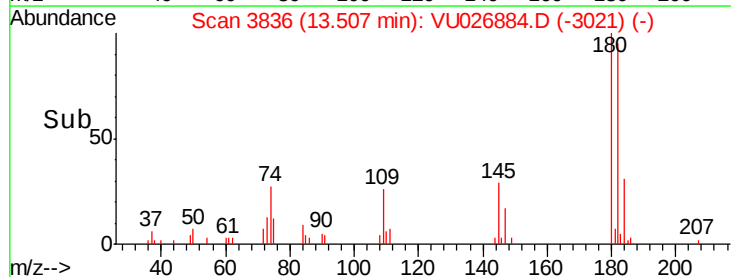
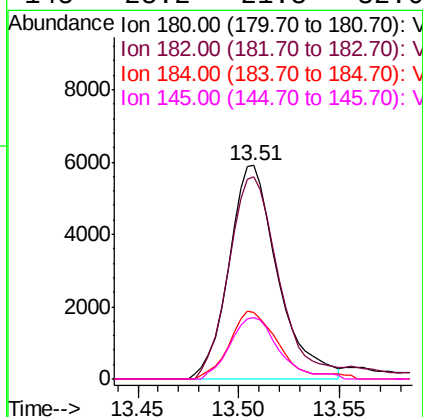
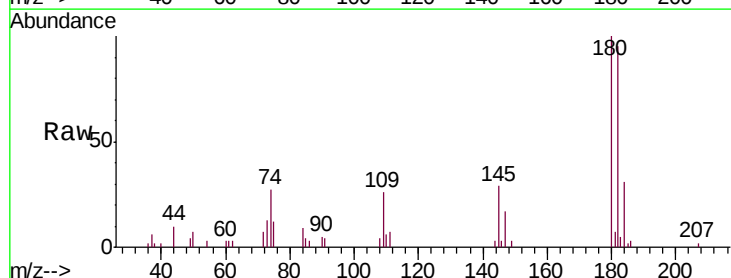
Instrument :
 MSVOA_U
 ClientSampleId :
 C08M8

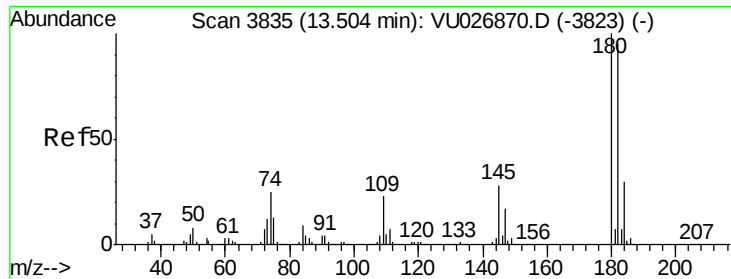
Tgt Ion:146 Resp: 15132
 Ion Ratio Lower Upper
 146 100
 111 41.7 31.4 47.0
 148 63.6 51.4 77.2



#67
 1,3,5-Trichlorobenzene
 Concen: 4.742 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

Tgt Ion:180 Resp: 10017
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.7 115.1
 184 30.9 24.2 36.4
 145 28.2 21.8 32.6

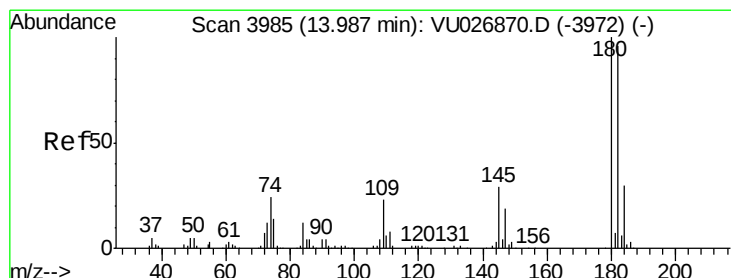
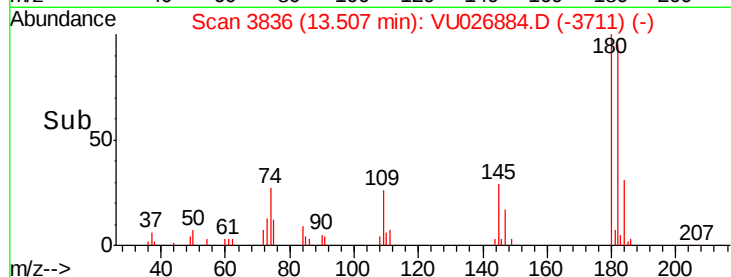
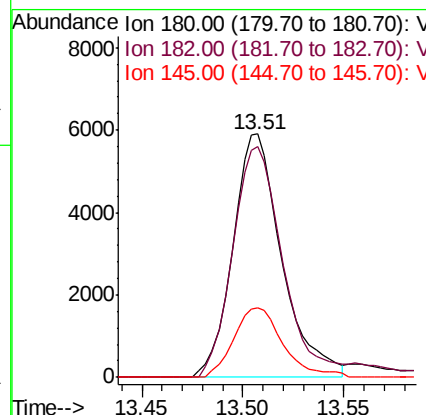
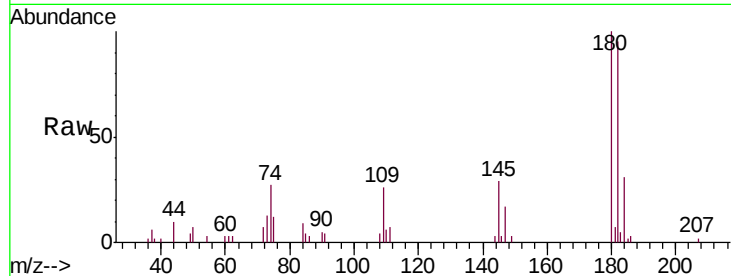




#68
 1,2,4-trichlorobenzene
 Concen: 5.503 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M8

Tgt Ion:180 Resp: 10017
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.8 115.2
 145 28.2 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 1.509 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026884.D
 Acq: 18 Sep 2018 23:46

Tgt Ion:180 Resp: 3025
 Ion Ratio Lower Upper
 180 100
 182 92.6 75.6 113.4
 145 25.4 23.8 35.6

