

Data File : VU026653.D
Acq On : 10 Sep 2018 16:10
Operator : MD/SY
Sample : J4837-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08H7

Quant Time: Sep 11 05:31:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 11 05:07:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	184351	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	171898	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76137	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66637	48.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.00%
7) Chloroethane-d5	1.68	69	54605	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.66%
11) 1,1-Dichloroethene-d2	2.27	63	87440	35.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.14%
21) 2-Butanone-d5	4.18	46	90918	106.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.35%
24) Chloroform-d	4.65	84	110170	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.46%
26) 1,2-Dichloroethane-d4	5.31	65	74375	49.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.50%
32) Benzene-d6	5.34	84	225452	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.34%
36) 1,2-Dichloropropane-d6	6.33	67	77351	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.62%
41) Toluene-d8	7.57	98	201540	48.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.56%
43) trans-1,3-Dichloropropene-	7.85	79	33061	47.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.26%
47) 2-Hexanone-d5	8.31	63	65023	106.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.75%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	101456	49.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	77648	51.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.32%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	1004	0.658 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	692	0.611 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	607	0.558 ug/L #	1
13) Acetone	2.32	43	49883	51.230 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	7217	2.033 ug/L	99
25) Chloroform	4.68	83	2283	1.017 ug/L	76
35) Methylcyclohexane	6.33	83	17102	8.930 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7857	5.843 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1951	0.980 ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	1378	0.744 ug/L	88
51) Chlorobenzene	9.12	112	7160	2.186 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	1353	0.619 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	18464	7.973 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	11108	4.808 ug/L	97
67) 1,3,5-Trichlorobenzene	13.52	180	1205	0.695 ug/L	98
68) 1,2,4-trichlorobenzene	13.52	180	1205	0.799 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091018\
Quantitation Report (Not Reviewed)

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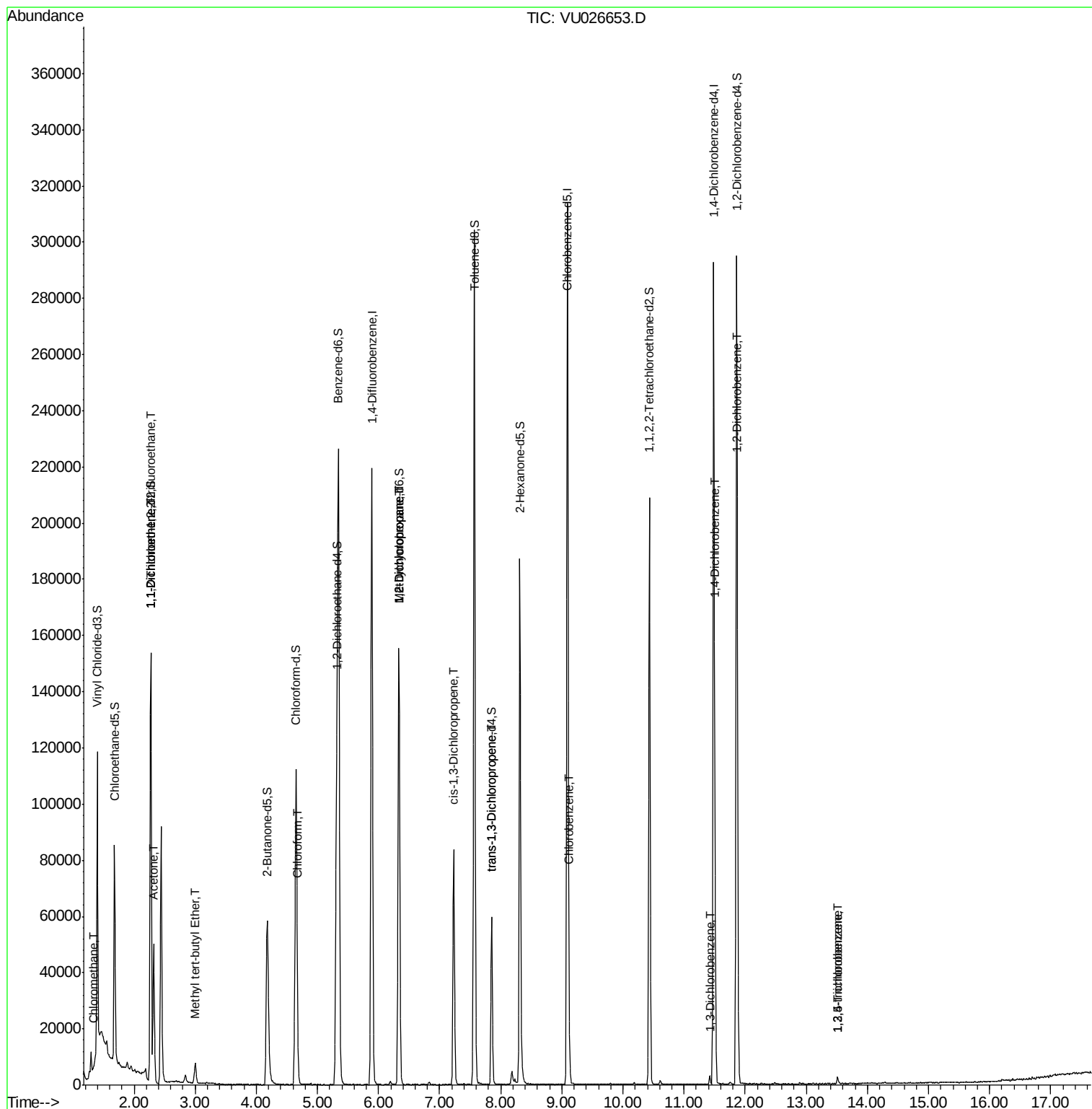
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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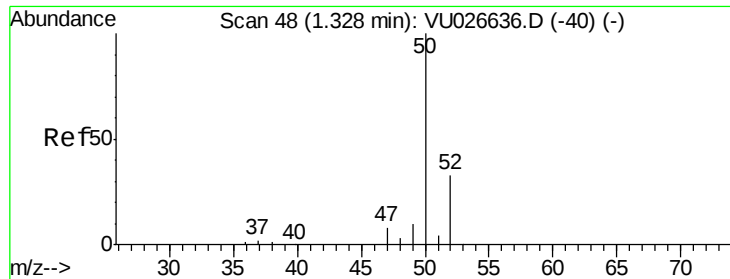
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.658 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026653.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

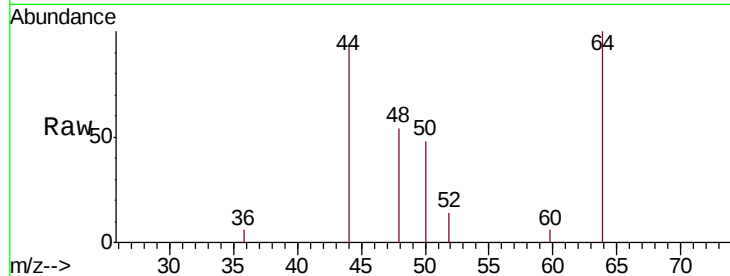
C08H7

Tgt Ion: 50 Resp: 1004

Ion Ratio Lower Upper

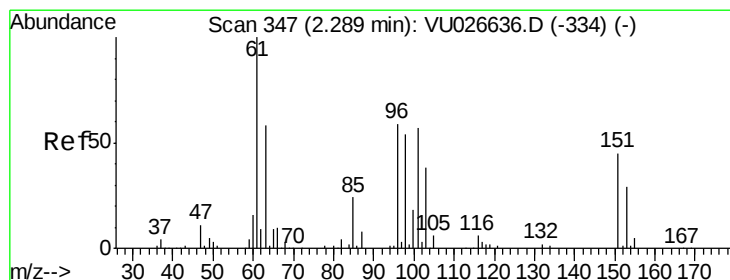
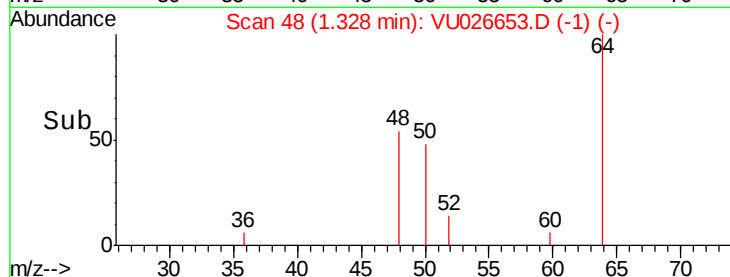
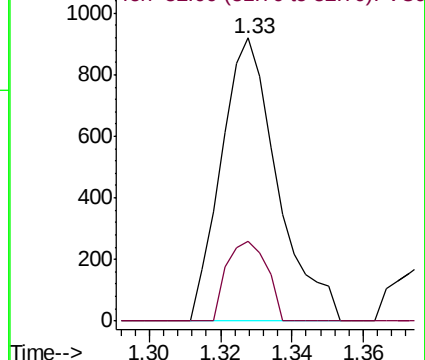
50 100

52 28.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU026636.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VU026636.D (-40) (-)



#10

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

Concen: 0.611 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU026653.D

Acq: 10 Sep 2018 16:10

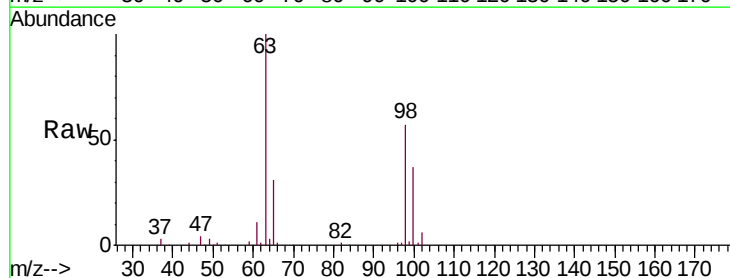
Tgt Ion: 101 Resp: 692

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

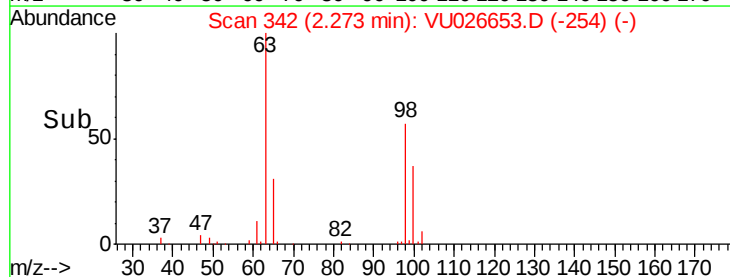
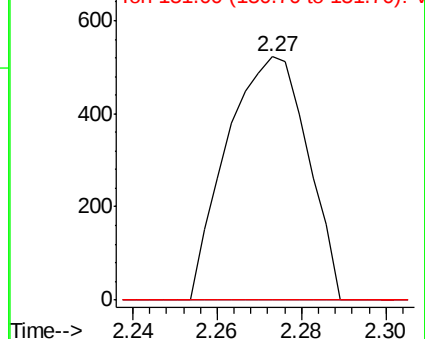
151 0.0 62.6 94.0#

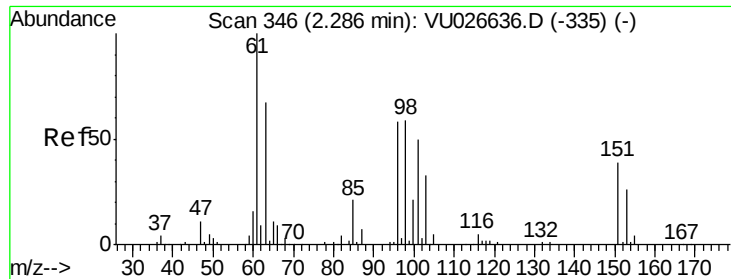


Abundance Ion 101.00 (100.70 to 101.70): VU026636.D (-334) (-)

Ion 85.00 (84.70 to 85.70): VU026636.D (-334) (-)

Ion 151.00 (150.70 to 151.70): VU026636.D (-334) (-)

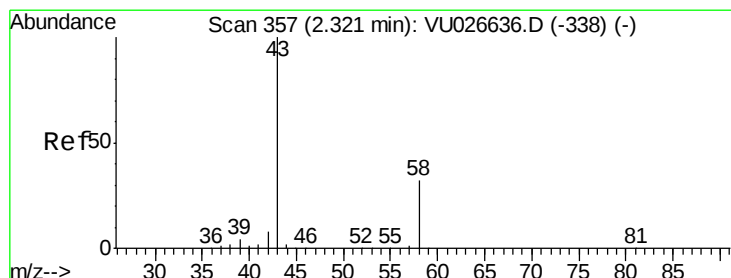
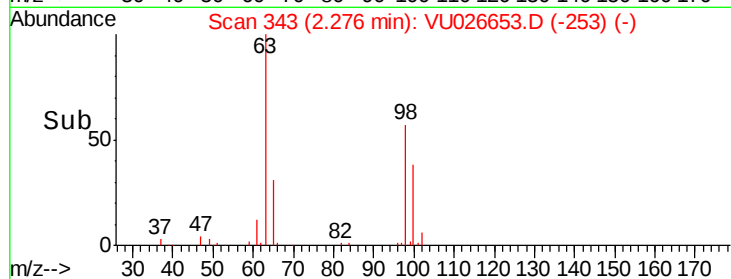
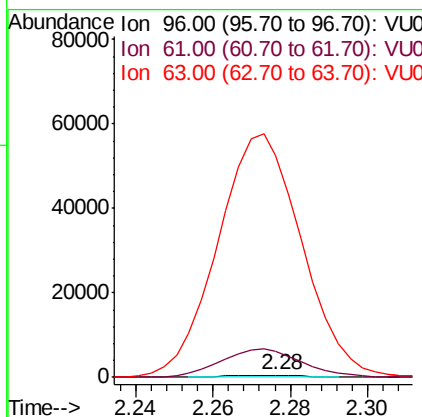
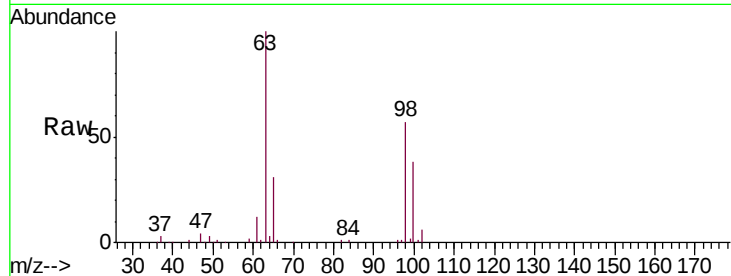




#12
 1,1-Dichloroethene
 Concen: 0.558 ug/L
 RT: 2.28 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VU026653.D
 Acq: 10 Sep 2018 16:10

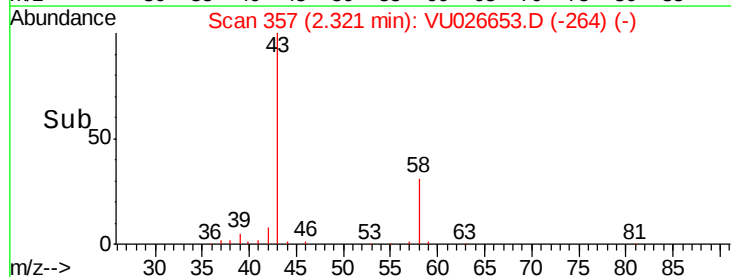
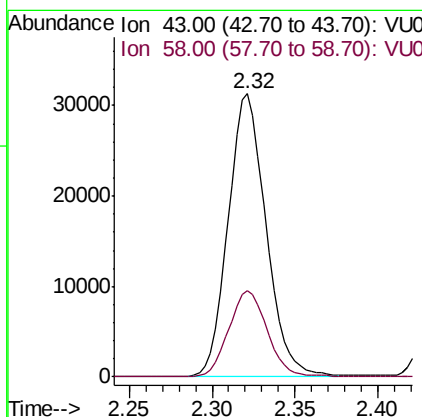
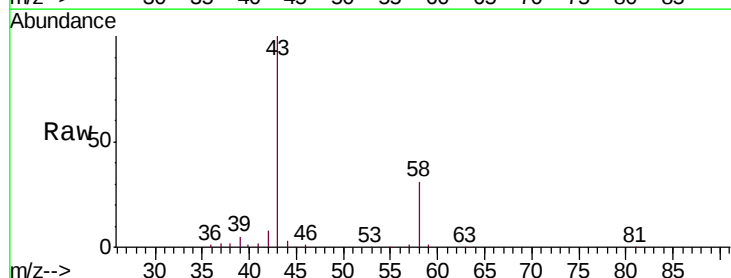
Instrument :
 MSVOA_U
 ClientSampleId :
 C08H7

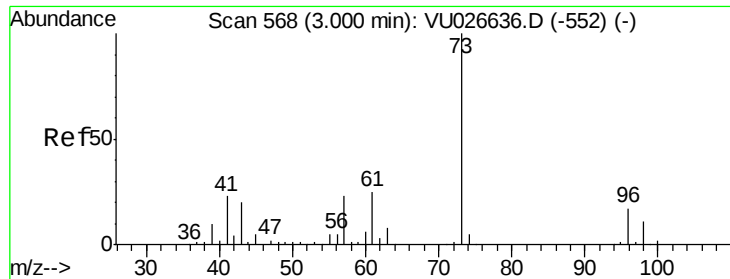
Tgt Ion: 96 Resp: 607
 Ion Ratio Lower Upper
 96 100
 61 1462.6 121.0 224.8#
 63 12627.3 89.9 166.9#



#13
 Acetone
 Concen: 51.230 ug/L
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026653.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 43 Resp: 49883
 Ion Ratio Lower Upper
 43 100
 58 30.8 0.0 62.8

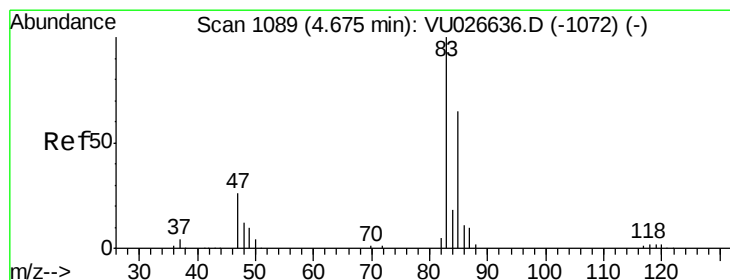
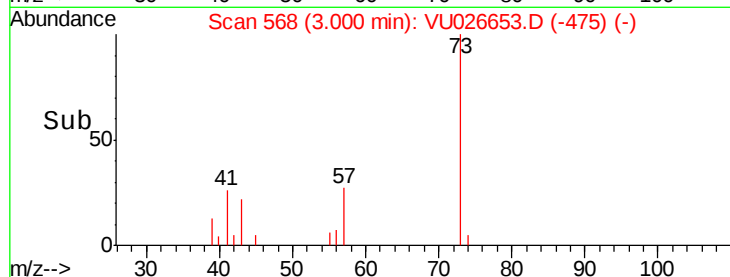
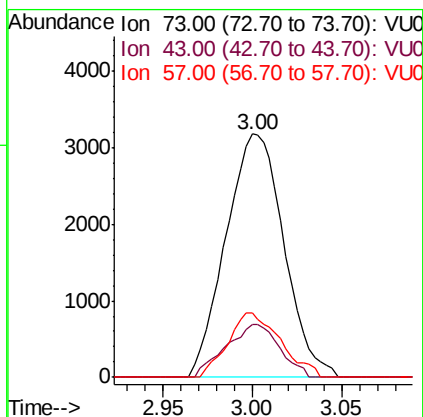
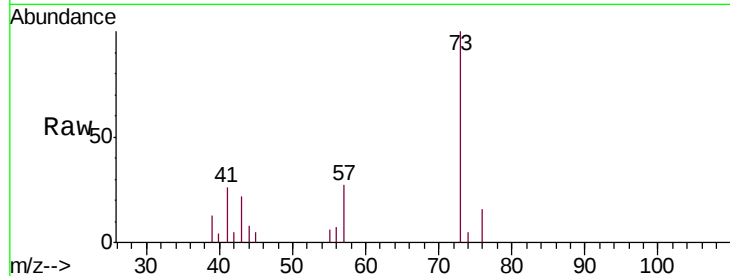




#18
Methyl tert-butyl Ether
Concen: 2.033 ug/L
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026653.D
Acq: 10 Sep 2018 16:10

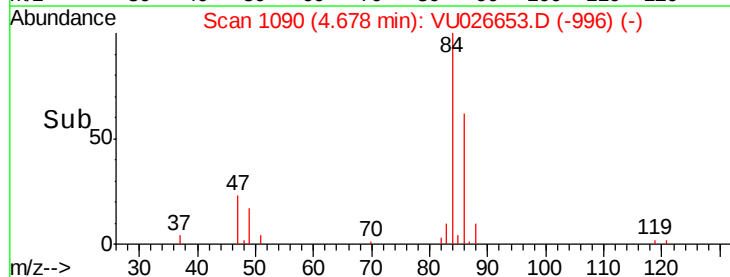
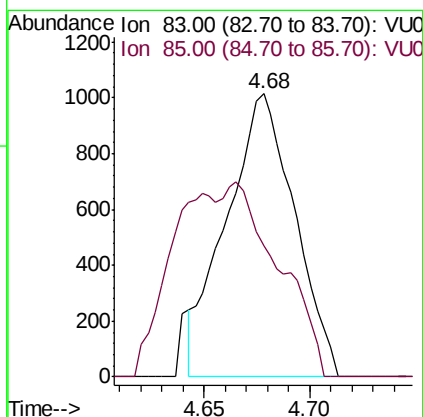
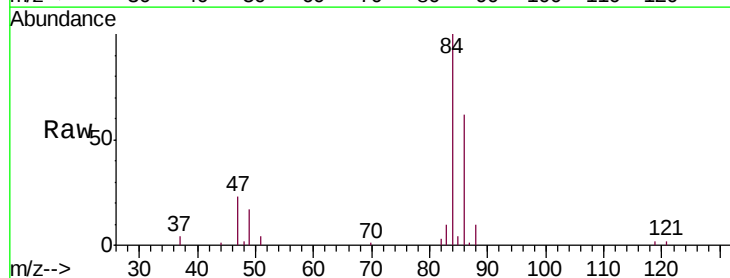
Instrument :
MSVOA_U
ClientSampleId :
C08H7

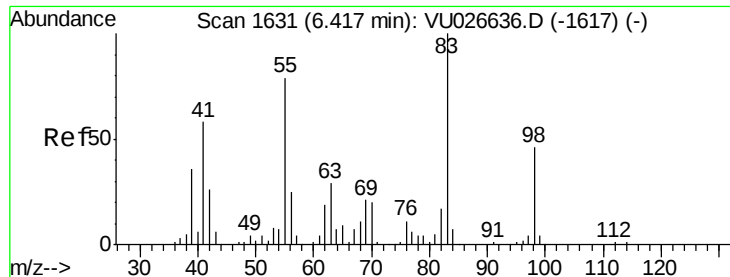
Tgt Ion: 73 Resp: 7217
Ion Ratio Lower Upper
73 100
43 20.0 16.0 24.0
57 24.0 18.6 27.8



#25
Chloroform
Concen: 1.017 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026653.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 83 Resp: 2283
Ion Ratio Lower Upper
83 100
85 46.5 45.6 84.6

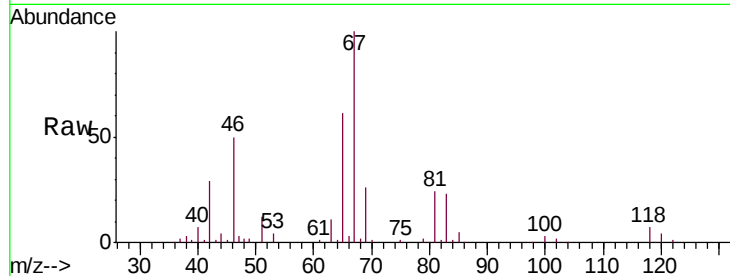




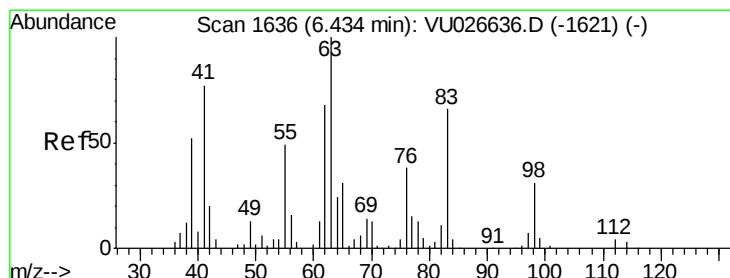
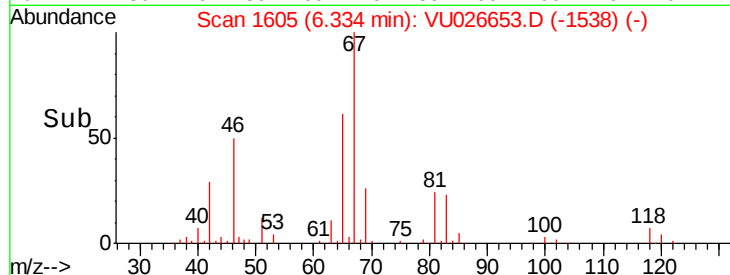
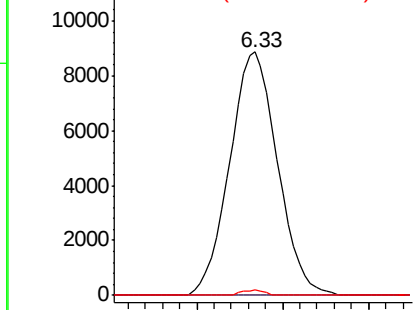
#35
Methylcyclohexane
Concen: 8.930 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU026653.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_U
ClientSampleId :
C08H7

Tgt Ion: 83 Resp: 17102
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 1.0 37.0 55.4#

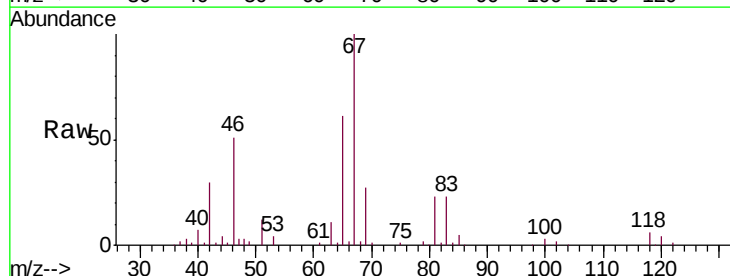


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

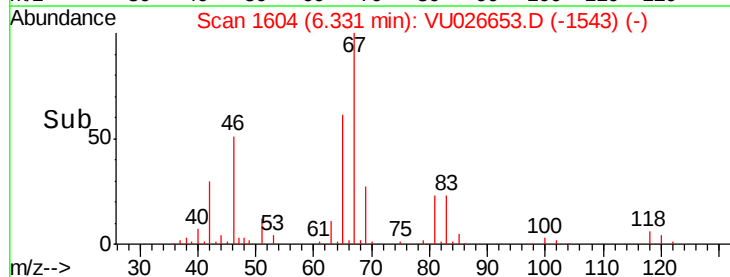
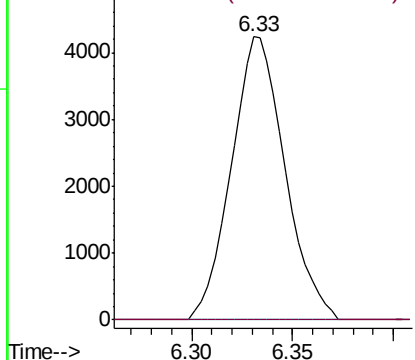


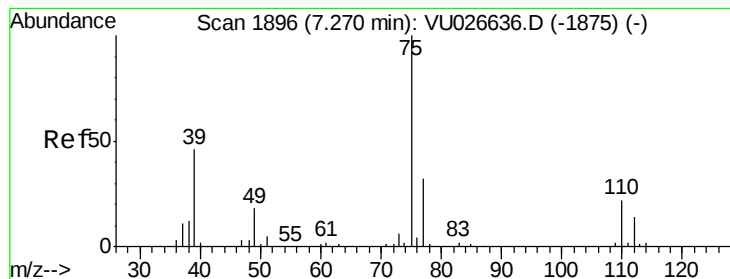
#37
1,2-Dichloropropane
Concen: 5.843 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026653.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 63 Resp: 7857
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V



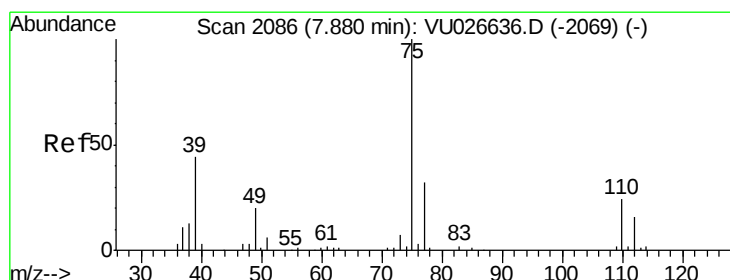
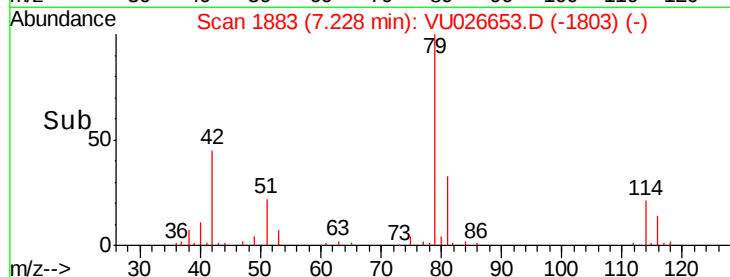
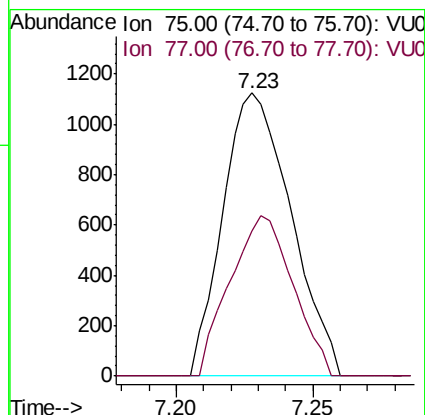
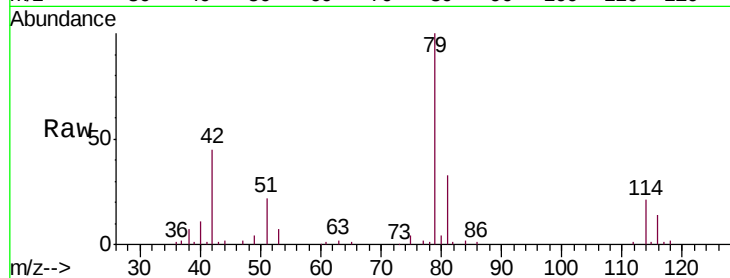


#39

cis-1,3-Dichloropropene
Concen: 0.980 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU026653.D
Acq: 10 Sep 2018 16:10

Instrument :
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ClientSampleId :
C08H7

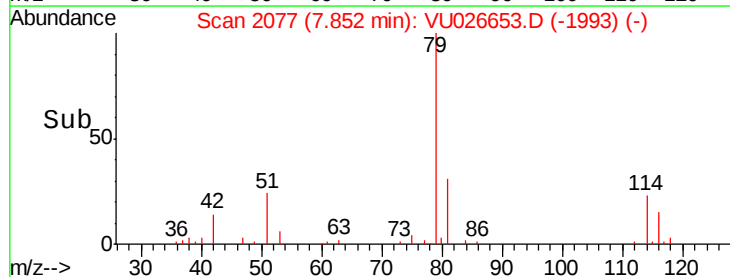
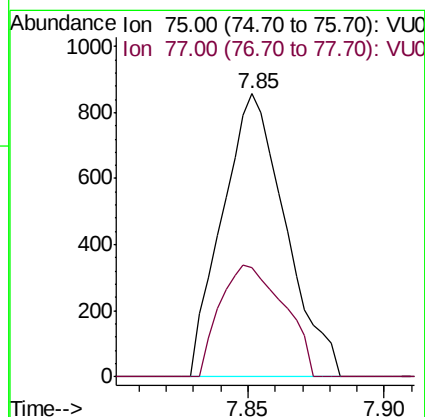
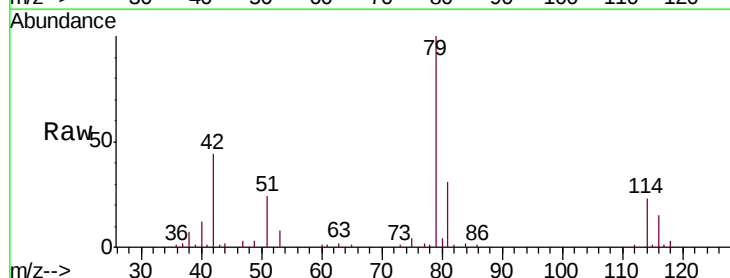
Tgt Ion: 75 Resp: 1951
Ion Ratio Lower Upper
75 100
77 51.4 22.3 41.3#

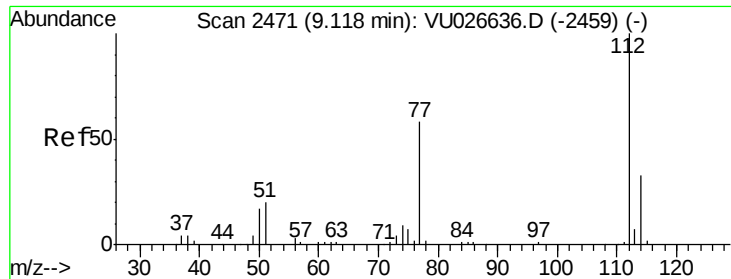


#44

trans-1,3-Dichloropropene
Concen: 0.744 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026653.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 75 Resp: 1378
Ion Ratio Lower Upper
75 100
77 38.7 22.4 41.6

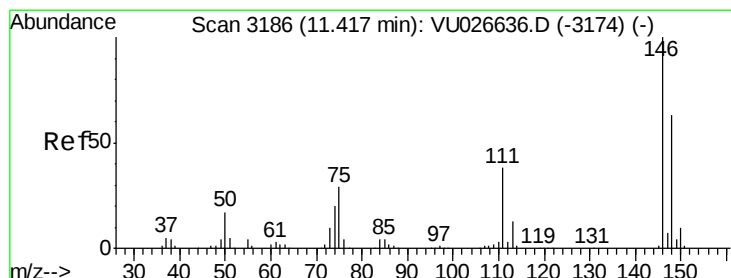
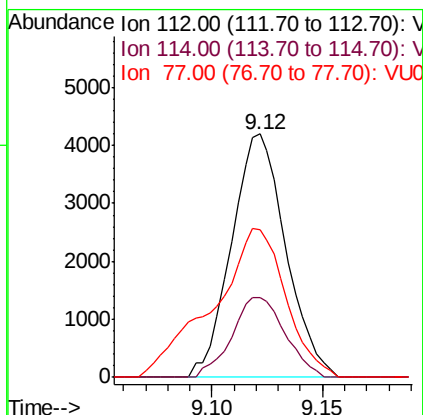
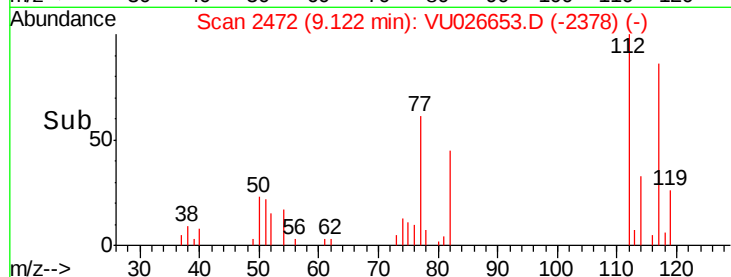
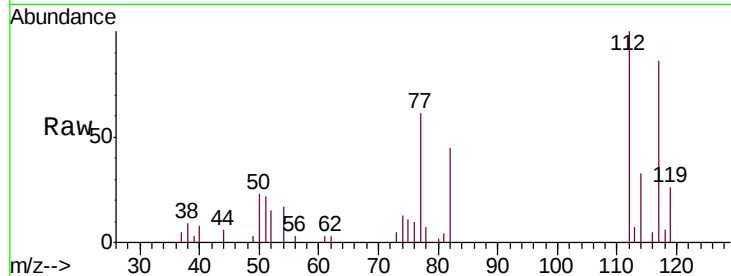




#51
Chlorobenzene
Concen: 2.186 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026653.D
Acq: 10 Sep 2018 16:10

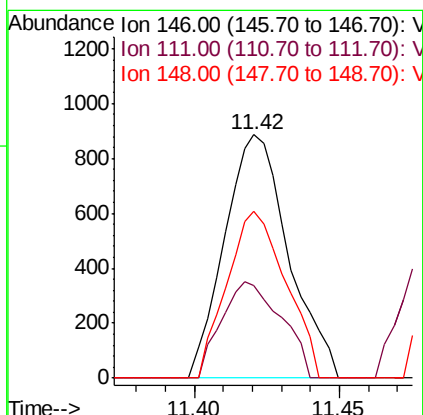
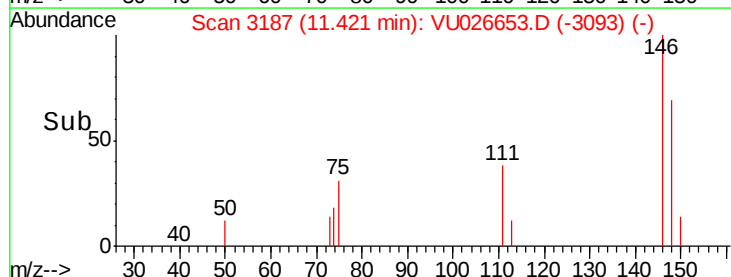
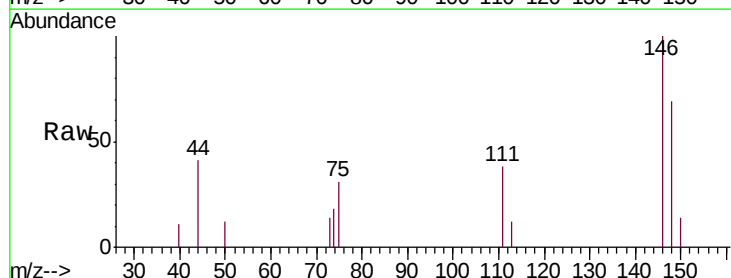
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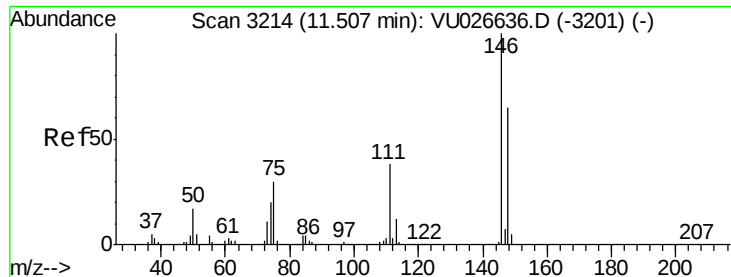
Tgt Ion:112 Resp: 7160
Ion Ratio Lower Upper
112 100
114 32.8 22.9 42.5
77 60.6 47.2 70.8



#62
1,3-Dichlorobenzene
Concen: 0.619 ug/L
RT: 11.42 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VU026653.D
Acq: 10 Sep 2018 16:10

Tgt Ion:146 Resp: 1353
Ion Ratio Lower Upper
146 100
111 37.8 26.7 49.5
148 68.5 44.2 82.2





#63

1,4-Dichlorobenzene

Concen: 7.973 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026653.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

C08H7

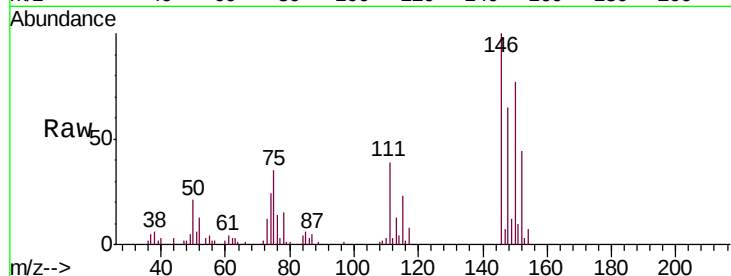
Tgt Ion:146 Resp: 18464

Ion Ratio Lower Upper

146 100

111 38.8 26.5 49.3

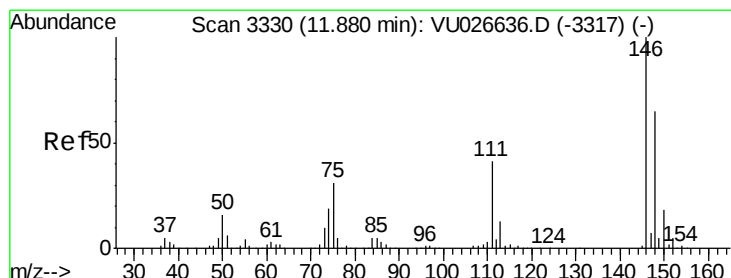
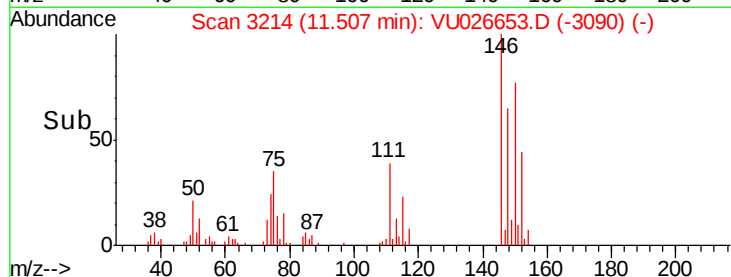
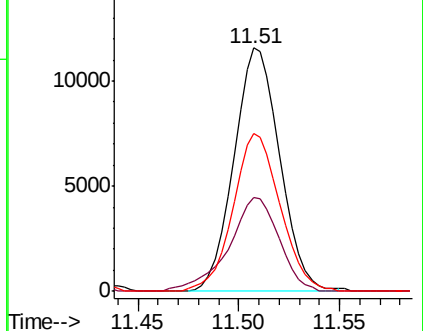
148 64.6 45.2 84.0



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: 4.808 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026653.D

Acq: 10 Sep 2018 16:10

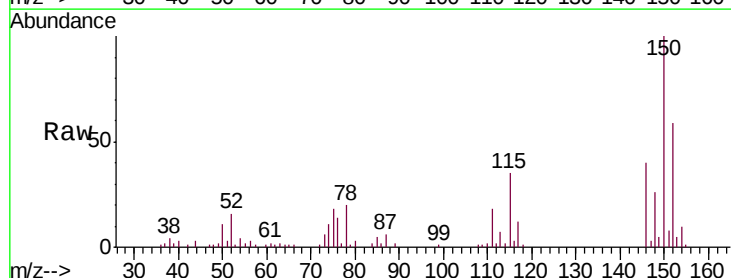
Tgt Ion:146 Resp: 11108

Ion Ratio Lower Upper

146 100

111 45.0 32.8 49.2

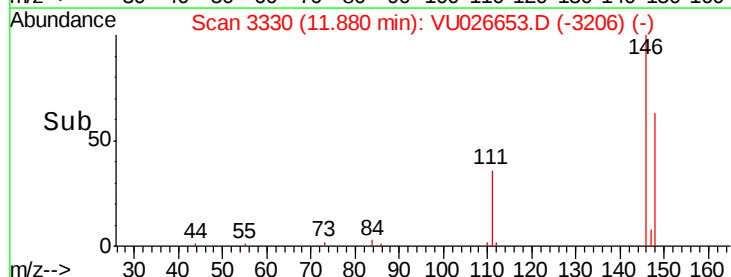
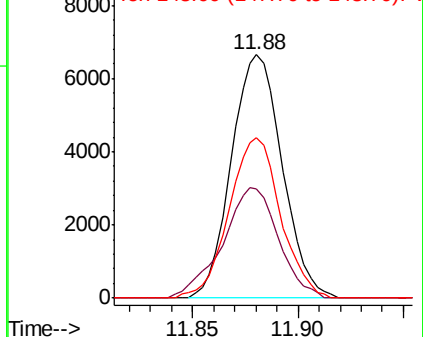
148 65.7 52.2 78.4

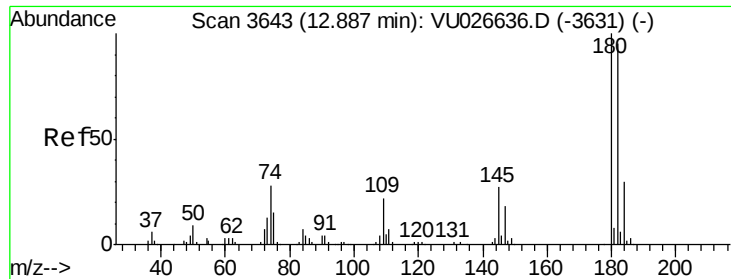


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

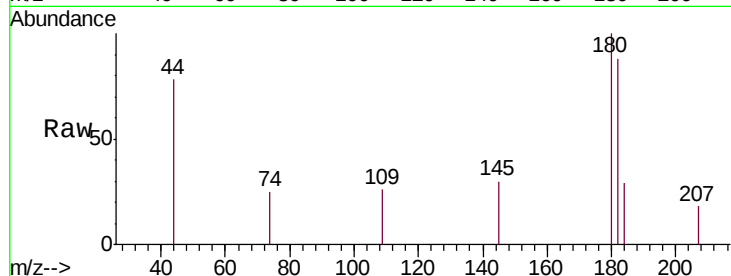




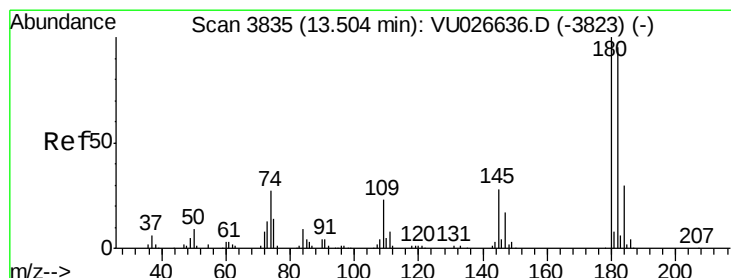
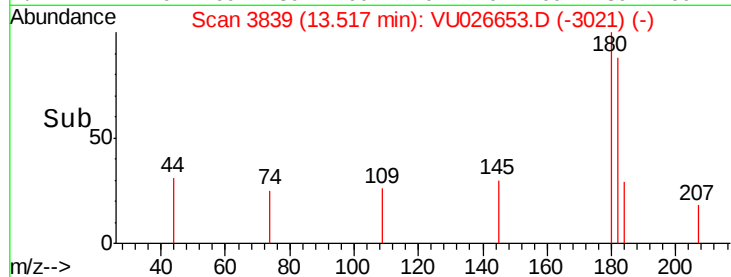
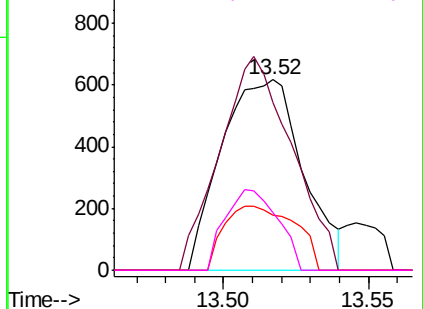
#67
 1,3,5-Trichlorobenzene
 Concen: 0.695 ug/L
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.63 min
 Lab File: VU026653.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_U
 ClientSampleId :
 C08H7

Tgt Ion:	180	Resp:	1205
Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.8	115.2
184	29.1	24.2	36.2
145	27.3	21.4	32.2

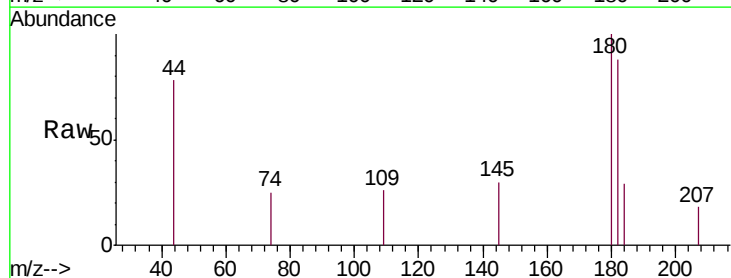


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.799 ug/L
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.01 min
 Lab File: VU026653.D
 Acq: 10 Sep 2018 16:10

Tgt Ion:	180	Resp:	1205
Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.0	114.0
145	27.3	23.4	35.0



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

