

Data File : VU029058.D
Acq On : 07 Jan 2019 14:36
Operator : MD/SY
Sample : VIBLK-43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK43

Quant Time: Jan 08 01:42:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	180205	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	172518	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68873	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65083	45.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.10%
7) Chloroethane-d5	1.67	69	53226	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.27	63	82668	34.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.06%
21) 2-Butanone-d5	4.17	46	100486	99.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.28%
24) Chloroform-d	4.65	84	109572	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.46%
26) 1,2-Dichloroethane-d4	5.31	65	69769	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
32) Benzene-d6	5.34	84	235486	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
36) 1,2-Dichloropropane-d6	6.33	67	81901	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.94%
41) Toluene-d8	7.56	98	203753	46.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.26%
43) trans-1,3-Dichloropropene-	7.85	79	35152	47.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.76%
47) 2-Hexanone-d5	8.31	63	73277	93.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111282	48.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	72397	51.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.94%

Target Compounds

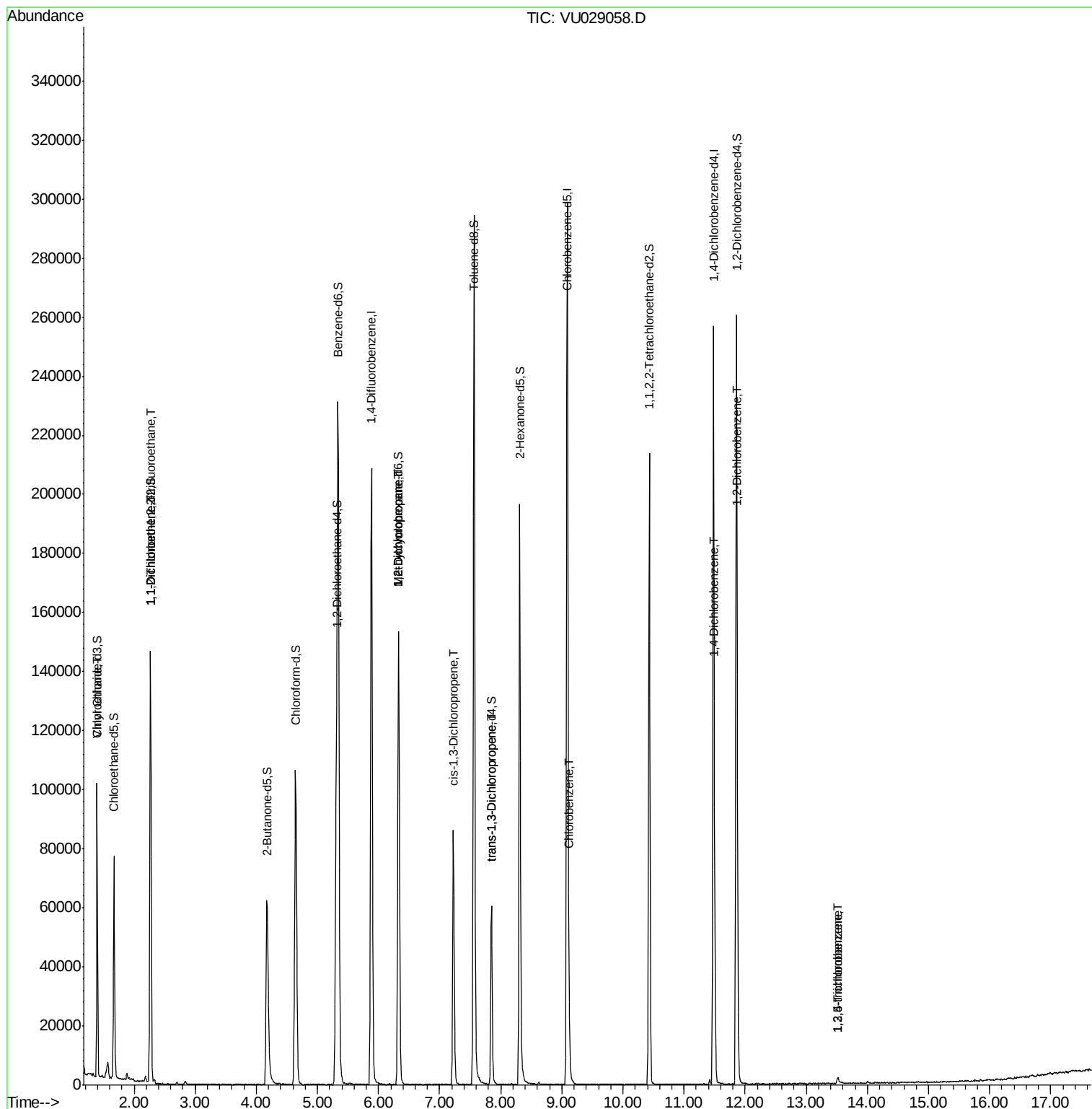
					Qvalue	
8) Chloroethane	1.40	64	872	0.865	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	697	0.597	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	701	0.607	ug/L #	1
35) Methylcyclohexane	6.33	83	16793	7.604	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7623	4.965	ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1741	0.795	ug/L #	79
44) trans-1,3-Dichloropropene	7.85	75	1219	0.625	ug/L	90
51) Chlorobenzene	9.12	112	13138	3.744	ug/L	94
63) 1,4-Dichlorobenzene	11.50	146	9655	4.283	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	8418	3.688	ug/L	98
67) 1,3,5-Trichlorobenzene	13.52	180	1758	1.090	ug/L #	76
68) 1,2,4-trichlorobenzene	13.52	180	1758	1.301	ug/L #	74

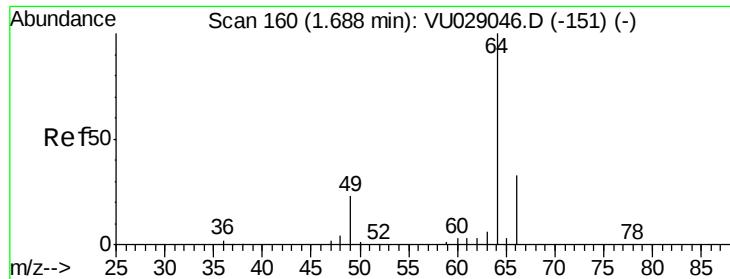
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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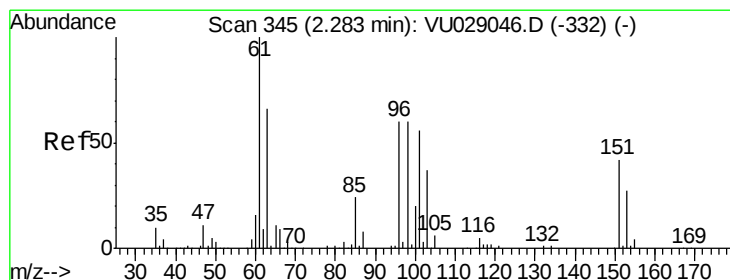
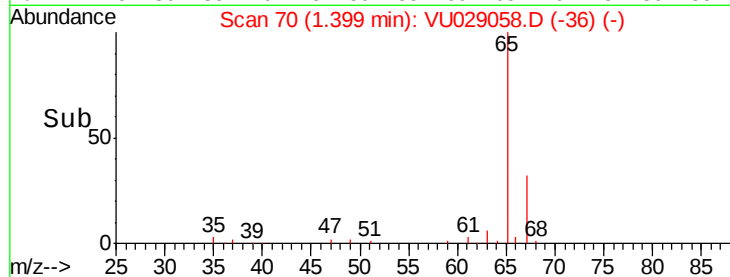
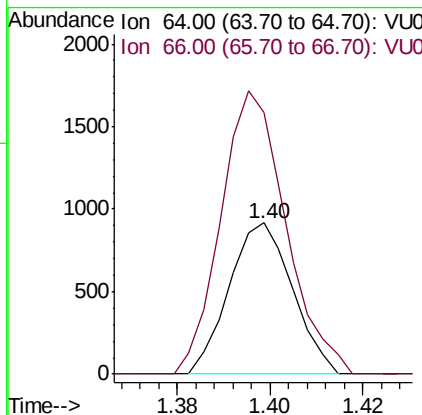
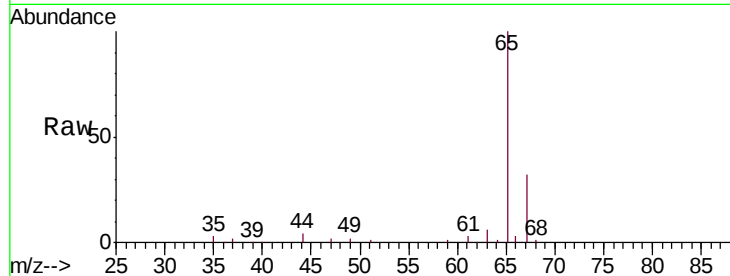




#8
Chloroethane
Concen: 0.865 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU029058.D
Acq: 07 Jan 2019 14:36

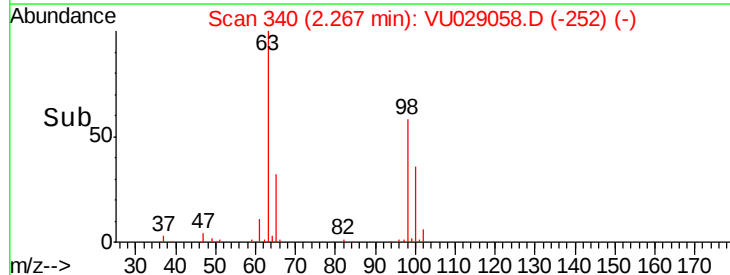
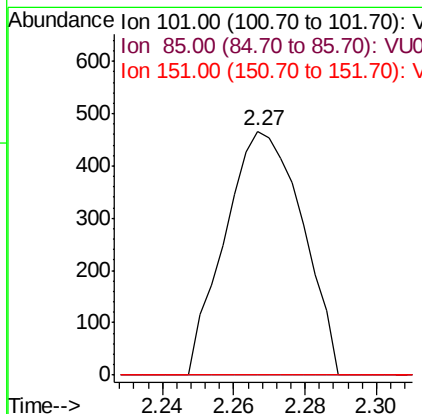
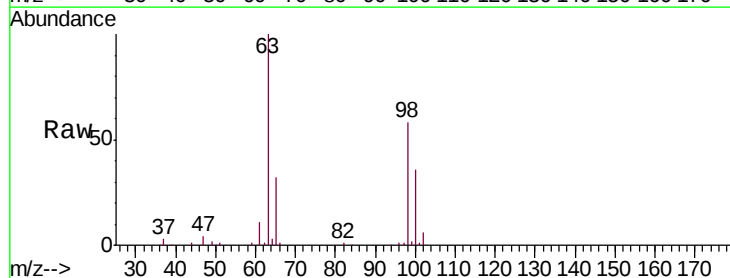
Instrument :
MSVOA_U
ClientSampleId :
VIBLK43

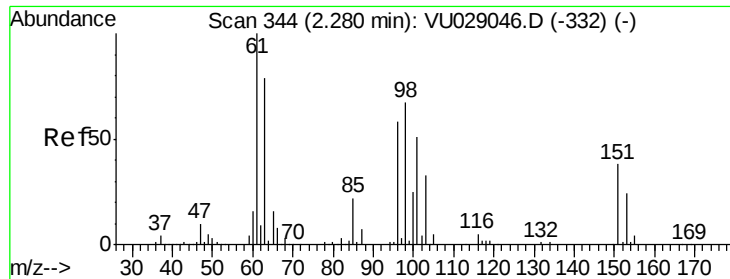
Tgt Ion: 64 Resp: 872
Ion Ratio Lower Upper
64 100
66 173.4 21.5 39.9#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.597 ug/L
RT: 2.27 min Scan# 340
Delta R.T. -0.02 min
Lab File: VU029058.D
Acq: 07 Jan 2019 14:36

Tgt Ion: 101 Resp: 697
Ion Ratio Lower Upper
101 100
85 0.0 33.8 50.6#
151 0.0 59.4 89.0#





#12

1,1-Dichloroethene

Concen: 0.607 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU029058.D

Acq: 07 Jan 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VIBLK43

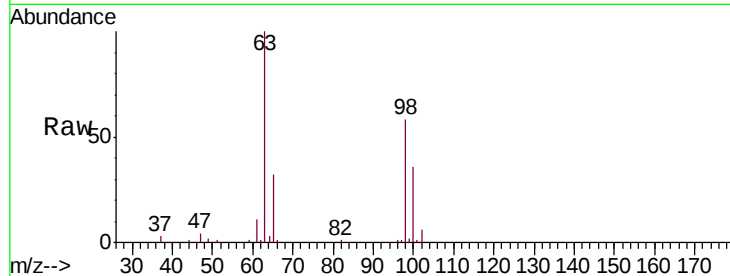
Tgt Ion: 96 Resp: 701

Ion Ratio Lower Upper

96 100

61 1169.0 119.3 221.5#

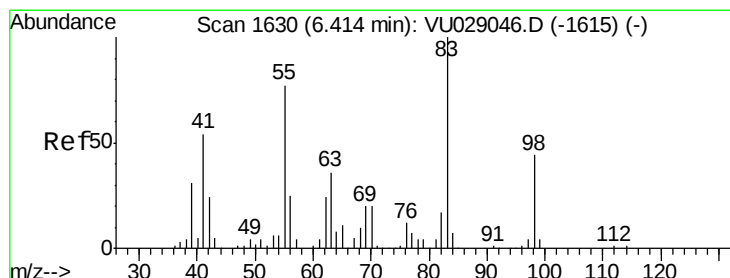
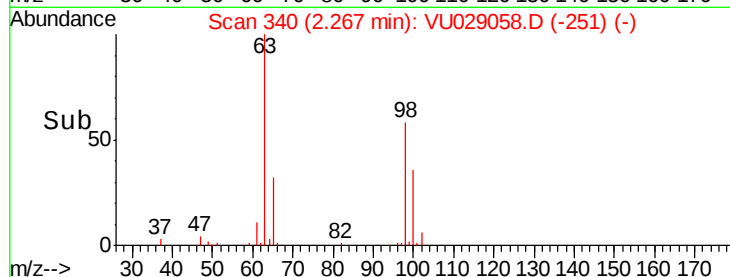
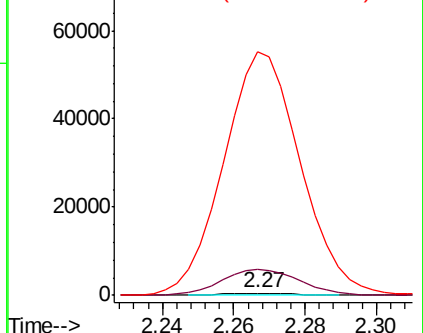
63 11129.0 107.4 199.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#35

Methylcyclohexane

Concen: 7.604 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.09 min

Lab File: VU029058.D

Acq: 07 Jan 2019 14:36

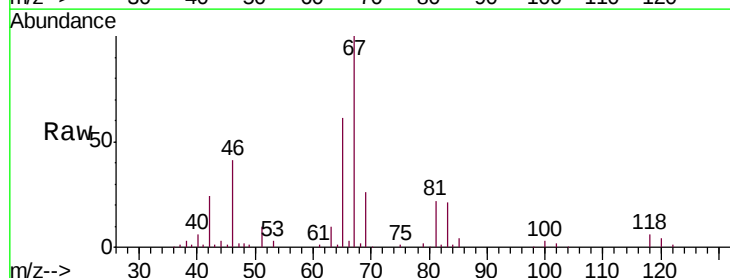
Tgt Ion: 83 Resp: 16793

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

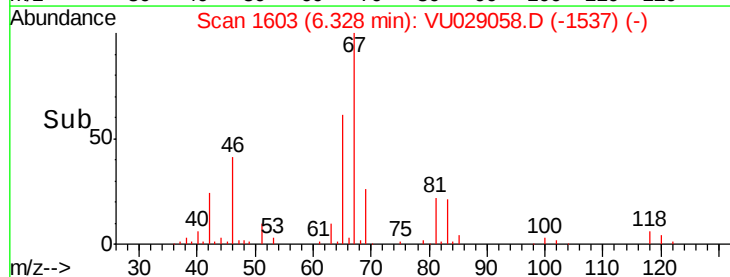
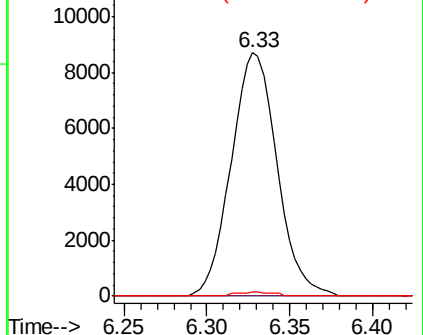
98 0.5 35.6 53.4#

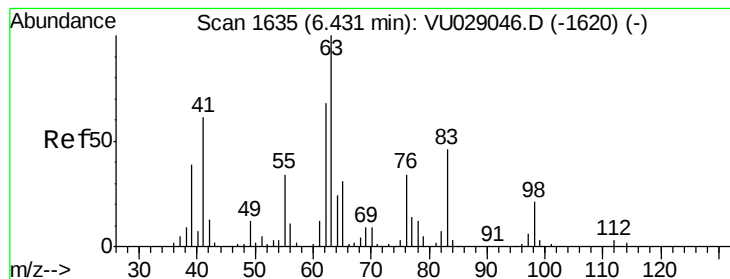


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 4.965 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU029058.D

Acq: 07 Jan 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

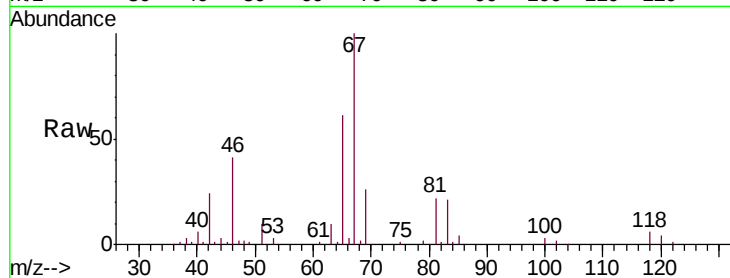
VIBLK43

Tgt Ion: 63 Resp: 7623

Ion Ratio Lower Upper

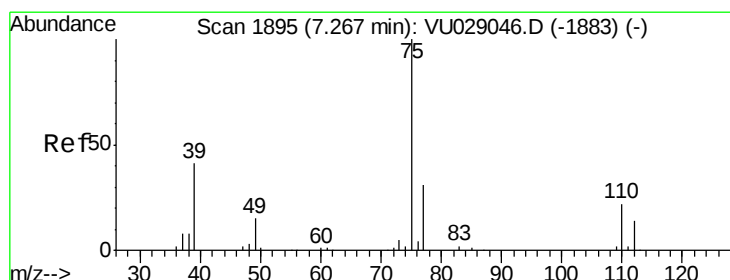
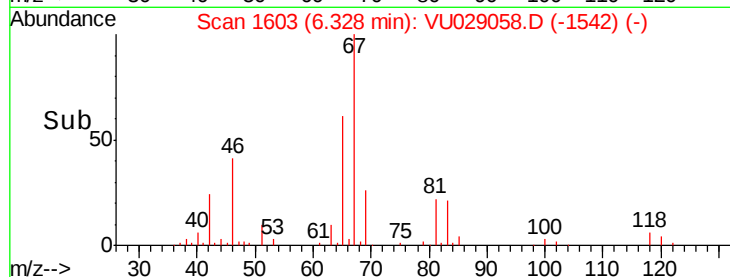
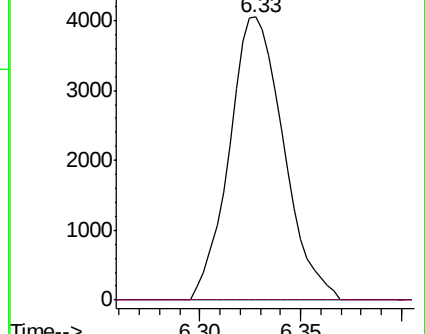
63 100

112 0.0 2.7 4.1#



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: 0.795 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU029058.D

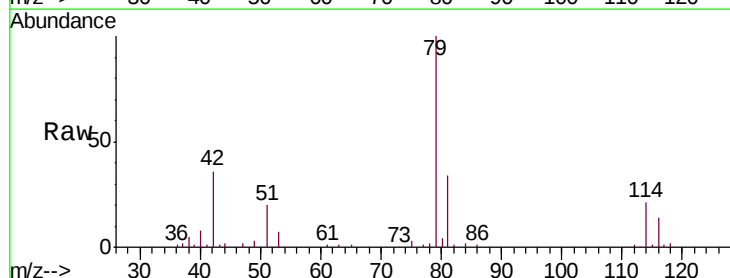
Acq: 07 Jan 2019 14:36

Tgt Ion: 75 Resp: 1741

Ion Ratio Lower Upper

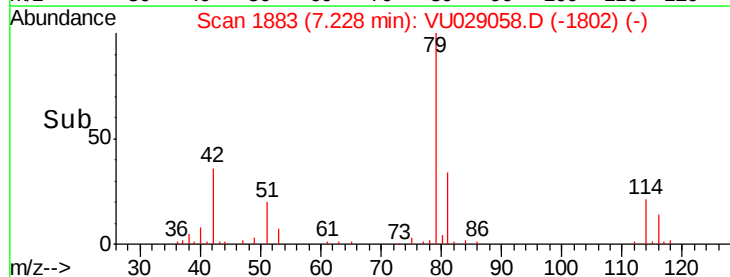
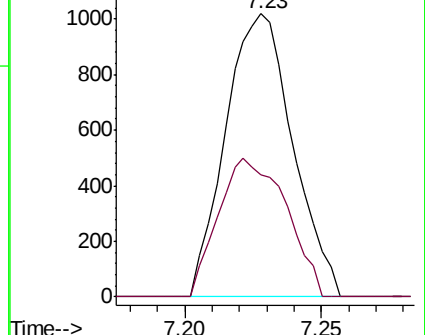
75 100

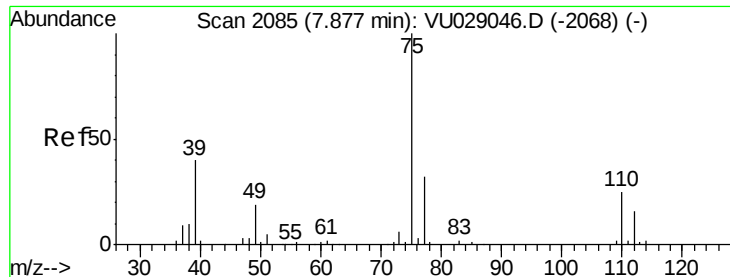
77 43.0 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

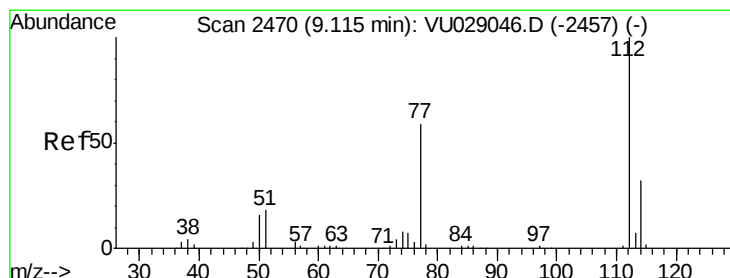
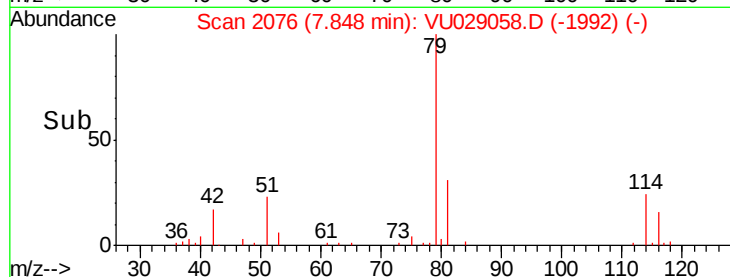
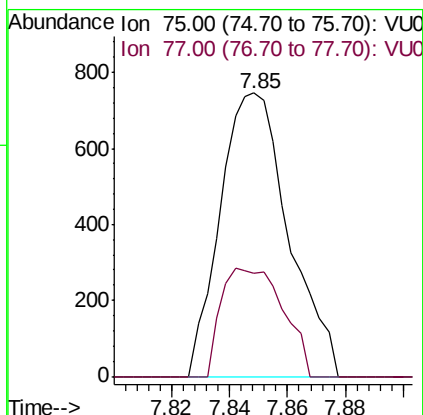
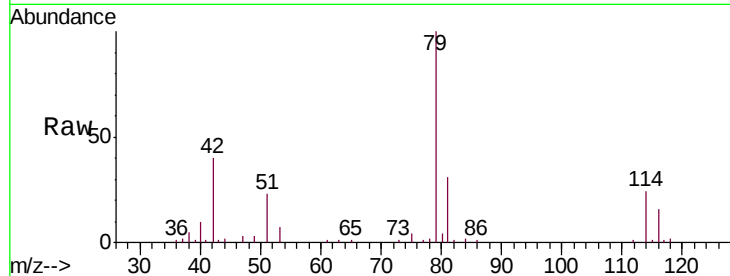




#44
trans-1,3-Dichloropropene
Concen: 0.625 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU029058.D
Acq: 07 Jan 2019 14:36

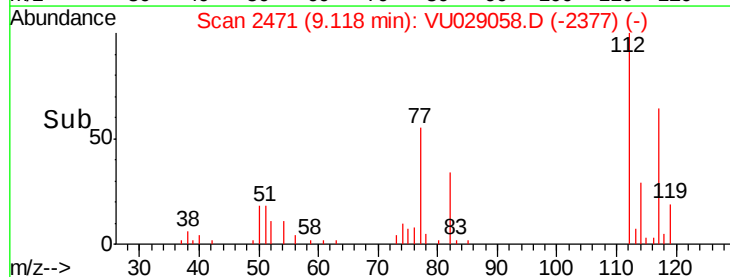
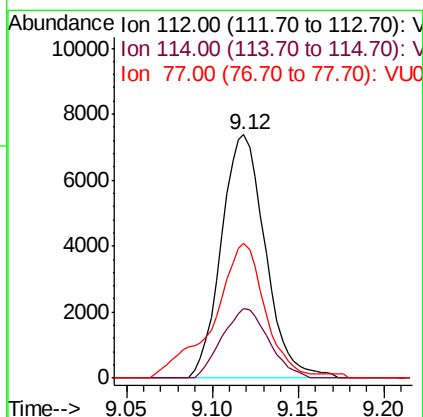
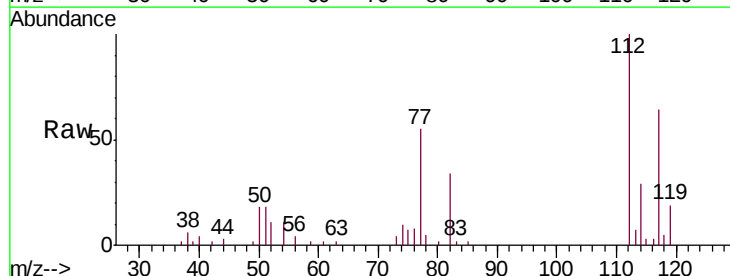
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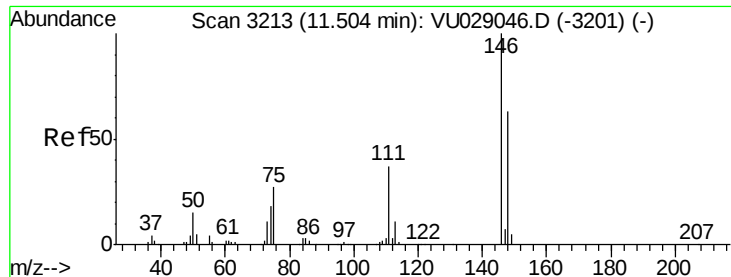
Tgt Ion: 75 Resp: 1219
Ion Ratio Lower Upper
75 100
77 36.6 21.8 40.6



#51
Chlorobenzene
Concen: 3.744 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029058.D
Acq: 07 Jan 2019 14:36

Tgt Ion: 112 Resp: 13138
Ion Ratio Lower Upper
112 100
114 28.7 22.2 41.2
77 55.4 47.8 71.8

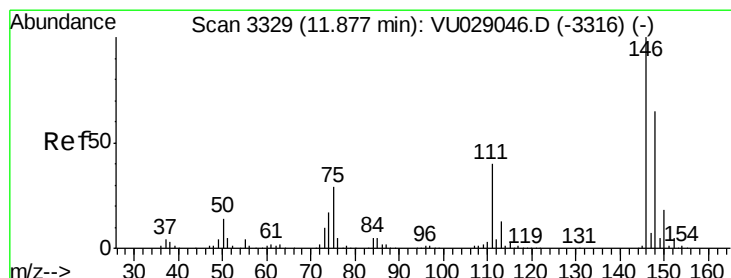
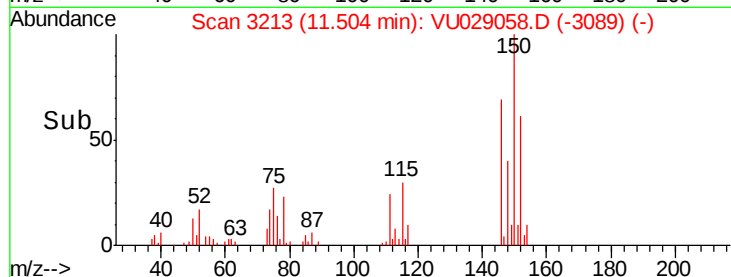
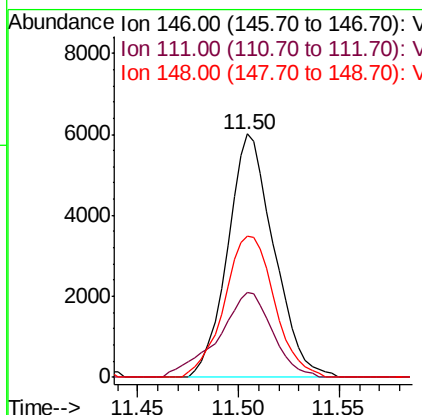
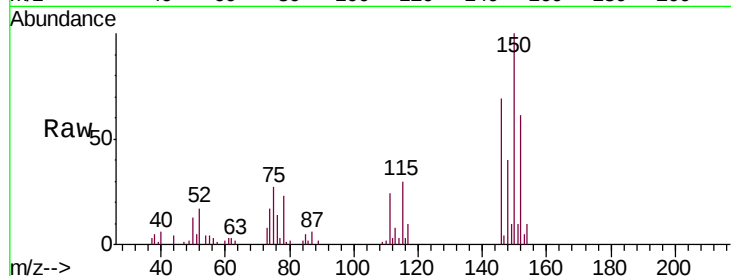




#63
 1,4-Dichlorobenzene
 Concen: 4.283 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU029058.D
 Acq: 07 Jan 2019 14:36

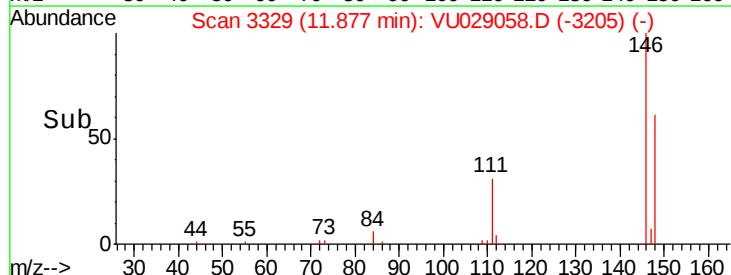
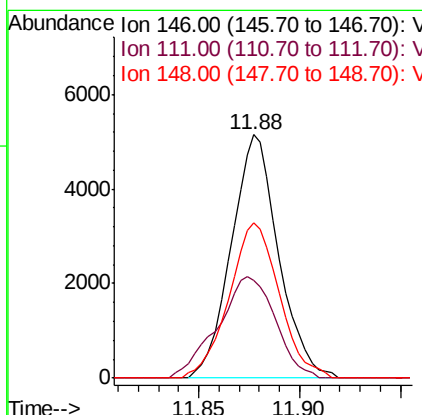
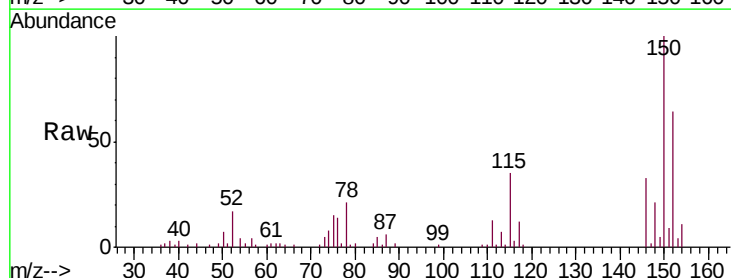
Instrument :
 MSVOA_U
 ClientSampled :
 VIBLK43

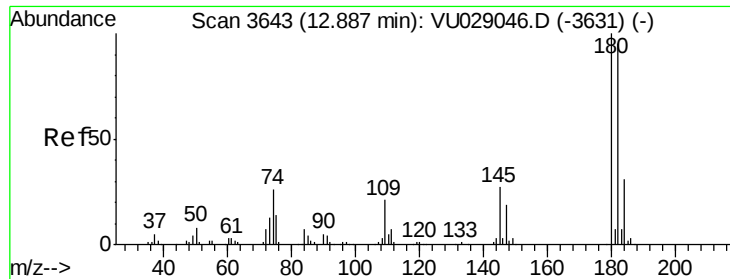
Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	26.5	49.1
148	58.0	45.1	83.9



#65
 1,2-Dichlorobenzene
 Concen: 3.688 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU029058.D
 Acq: 07 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	32.1	48.1
148	63.9	49.7	74.5

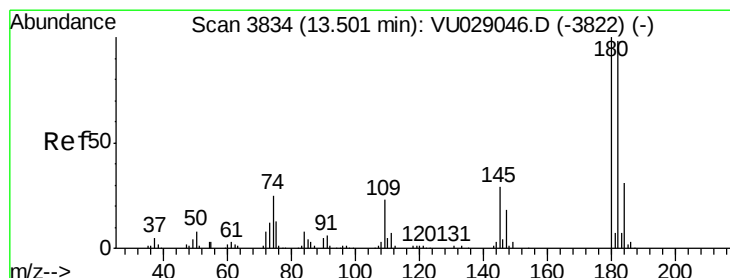
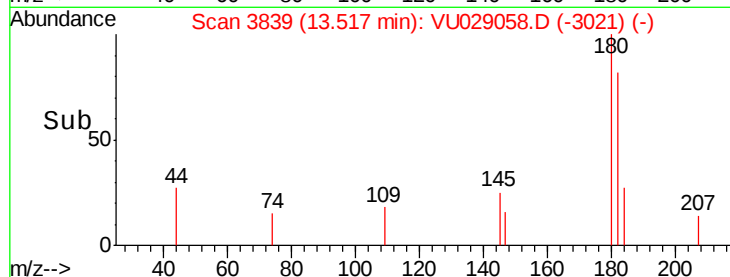
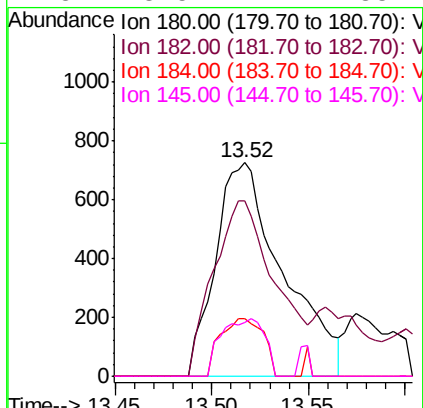
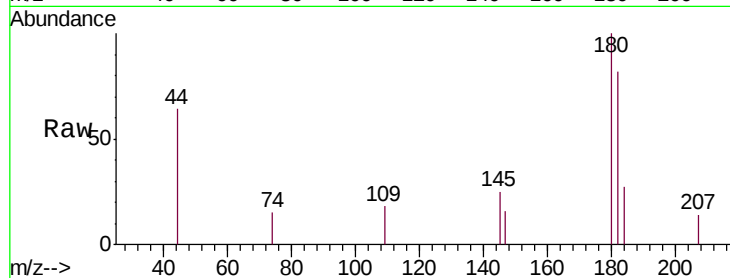




#67
 1,3,5-Trichlorobenzene
 Concen: 1.090 ug/L
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.63 min
 Lab File: VU029058.D
 Acq: 07 Jan 2019 14:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK43

Tgt Ion:180 Resp: 1758
 Ion Ratio Lower Upper
 180 100
 182 75.4 76.4 114.6#
 184 17.2 24.6 36.8#
 145 8.5 22.1 33.1#



#68
 1,2,4-trichlorobenzene
 Concen: 1.301 ug/L
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.02 min
 Lab File: VU029058.D
 Acq: 07 Jan 2019 14:36

Tgt Ion:180 Resp: 1758
 Ion Ratio Lower Upper
 180 100
 182 75.4 77.4 116.0#
 145 8.5 23.5 35.3#

